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Krasnoyarsk region has the largest reserves of forest raw materials resources (7,8 billion square meters, which is 9,4% of the Russian forest yield). The qualitative characteristics of these resources are qualified as the world best. Nine top priority projects in the sphere of forest exploitation are realized in the region today. Among these projects are: Boguchany Forest Industry Complex, Angara Paper Forest Industry Complex, Yenisei Plywood Mill, extension of the Lesosibirsk Woodworking Plant, Novosibirsk Wood Chemistry Complex, foundation of the Mekran Woodworking Plant, modernization of wood processing complex in the Yeniseisk region by the Maltat group.

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The Russian Forest Industry: Five and 15 years after crisis

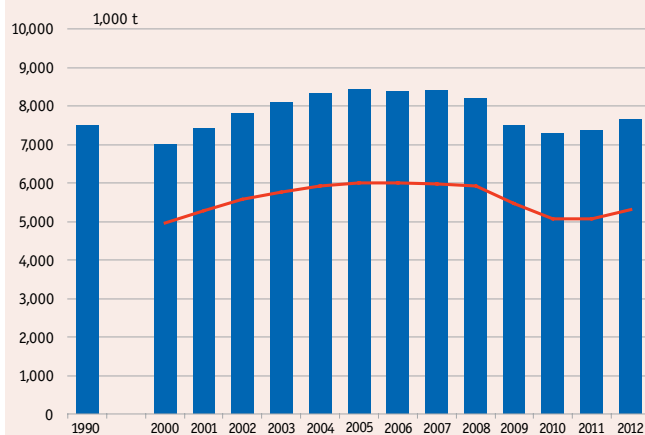
In the last 15 years, the Russian forest industry went through two major crises, ruthless corporate wars, several waves of legislative reform and, in spite of all this, growing demand and rising production volumes. Who are the leaders and who are the underachievers in Russia today and why? Let's have a closer look.

PULP-AND-PAPER SECTOR: Brownfield evolving, greenfield stymied

Back in 2003, the Russian pulp-and-paper sector was at the end of the painful period of hostile takeovers and corporate wars and at the beginning of the period of modernization, driven by a bustling consumer market in the country.

Pulp production in Russia:

Aiming to reach pre-crisis level, in line with Soviet-era volume



Growth of pulp production (blue bars) and integrated consumption of pulp (red line) in Russia 1990–2012: aiming to reach pre-crisis level

The current level of pulp production is slightly above that of the end of the Soviet era but are still below the record level of the mid-2000s. Output had strongly recovered from the low levels of the mid-1990s and had been growing steadily during 2000s, but the 2008-2009 economic crisis impacted heavily the pulp-and-paper production.

Having picked up this opportunity for growth, major industry players have completed, or are in the process of rebuilding their key assets. The most impressive of these are reconstruction projects by Mondi in Syktyvkar and the Ilim Group in Bratsk and Kotlas. Investlesprom, the third biggest player, had similarly ambitious plans until they were put on hold due to internal company restructuring.

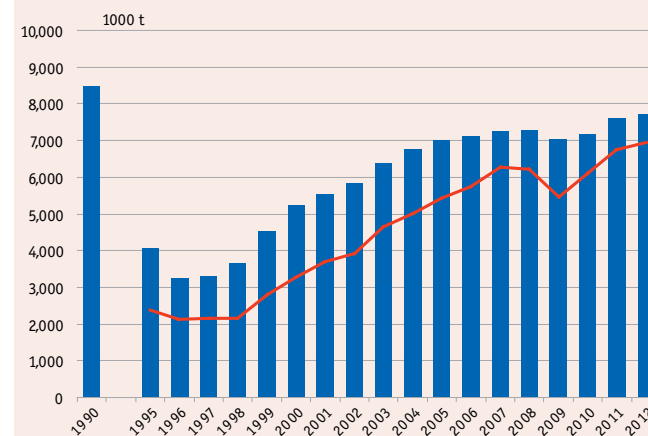
However, all these high profile projects in Russia are concerned with renewing existing facilities which have received chronic under-investment over the years. Some of such projects were advanced even during the recession. On the other hand, no greenfield pulp project has come on line in Russia for more than 30 years. Over the last 10 years, there were quite a number of greenfield pulp mill projects, all of them having been either abandoned or stymied at the feasibility stage. Why is this?

There are some fundamental requirements for a pulp mill to be economically and environmentally successful.

- Firstly, pulp-and-paper is **an expensive game**, with a greenfield pulp mill requiring an investment of more than a billion Euros. Relative to returns, this makes some other extractive industries such as energy or metal production look cheap. Since costs are high and payback period is long, it is **a risky game** as well.
- The second biggest requirement is that a greenfield site is located near to **a big river or lake**, and that there are substantial forestry **resources available**. The combination of these two factors, in spite of conventional wisdom to the contrary, limits the enormous territory of Russia basically to only two suitable regions: the North-West and Siberia. Unfortunately, in real terms, most of the North-West is close to being depleted in terms of wood supply and there are only a limited number of areas in Siberia suitable for a large-scale exploitation.
- At first sight, it seems that Siberia has vast forest resources which are substantially underutilized. However, roads in general and forest roads in particular are a standing joke within the Russian Forest Industry. Also Siberia contains extensive swamplands which, together with its famously inhospitable climate, add to the cost of any construction. Where there is access, existing mills have depleted resources extending to hundreds of kilometers around them. There is also the problem of massive forest fires, which annually destroy millions of hectares of forests. All this

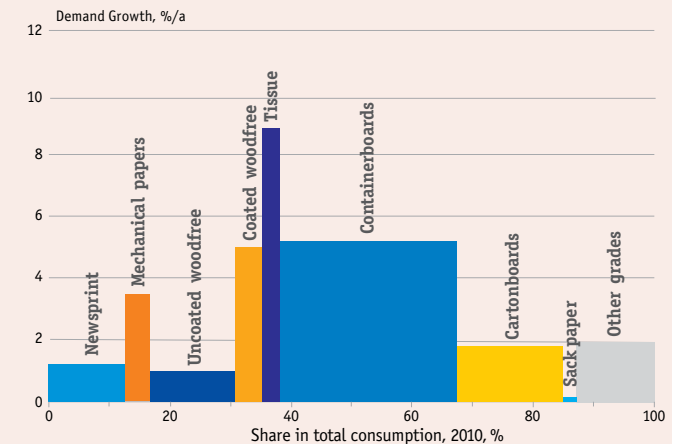
Paper and paperboard supply and demand in Russia:

Remains below Soviet-era level, with moderate growth ahead



Growth of paper and paperboard production (blue bars) and consumption (red line) in Russia 1995-2012: remains below soviet-era level

Demand for paper and paperboard in Russia has been increasing and is expected to continue to grow by an average of 3% a year to reach an estimated 10-11 million tons by the year 2015. In volume terms, this translates into 200,000-250,000 tons of incremental demand per year. The year of 2009 saw a significant decline in consumption due to global financial turmoil. However, by 2010 the market had already nearly reached its pre-crisis level. In 2011, year-on-year growth was about 10%; coated paper grades and tissue show the fastest consumption growth.



Long-term paper demand growth in Russia, 2010–2015: moderate growth ahead

means that a mill would have to be constructed in a very remote area, probably adding another billion Euros of infra-structure costs to the billion Euro ticket for the pulp mill.

It is undeniable that Russia possesses enough forests to be proud of. But it is also true that Russian forests have been poorly managed. Lots of unwanted pulpwood are left in forests to simply rot or at best are used by logging companies to repair forest roads. Responsible cooperation between other wood products industries and the pulping sector would be a start, but the government would have to make this economically advantageous to both parties and it is not clear whether this is among its highest priorities.

It is tempting to refer to current global greenfield pulp mill experience when considering greenfield pulp mill projects in Russia but this would be a mistake. New large-scale pulp mills have come on line in Brazil, Uruguay, Chile and China. However, as can be seen from the diagram, these countries all clearly differ from Russia in terms of climatic conditions, which generally allow for a much shorter forest rotation cycle. They are typically focused on developing the production of pulp from hardwood which is generally lower quality compared to (Russian) softwood-based pulp, but the shorter forest rotation cycles result in wood procurement areas being smaller and transportation costs being lower.

Although these countries have their own substantial difficulties, the investment climate is generally better overall due to such factors as:

- Governments providing substantial subsidies to construct mills and infra-structure
- Better long term certainty of land and forestry rights
- More predictable and manageable political and corruption risks

In summary, for new pulp mills to be built in Russia, the investment climate must be improved and modern forest management practices need to be

motivated and developed. The former can be achieved through various measures of state support ranging from small steps like the assignment of priority investment status and tax preferences to larger ones, such as direct state participation in funding infra-structure, machinery and construction as well as in pilot adaptation of international standards/norms in health, safety and environmental issues. Establishment of modern forest management practices can be achieved, for example through implementation of related pilot projects in the wood supply zones of pulp mills.

Ten years ago the need for such measures was not as urgent and obvious as today. Now we see these steps as almost an absolute prerequisite for new mills not only coming on stream (which can be achieved if there is someone ready to pay), but for them to be sustainable in the long-term.

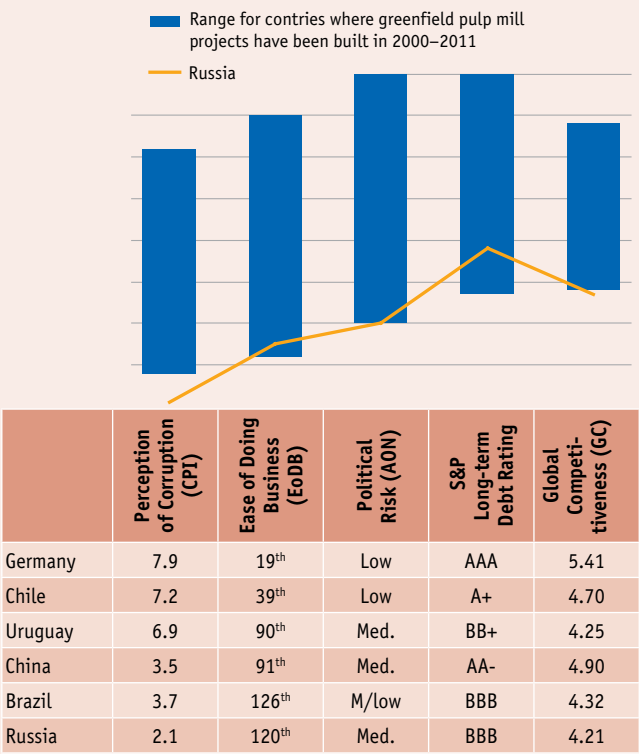
SOLID WOOD SECTOR: Log availability becomes a major issue

With stagnant markets in Europe and uncertain market situation in MENA (Middle East and North Africa) countries, what is the main worry among the management of big Russian sawmills? In so many cases it is wood.

Poor availability of logs is pushing harvesting operations further and further from the mills which increases costs and competition over wood. To fight the rise in wood cost, the companies are pressured into using more wisely what they already have – through better use for low grade wood; through better utilization of logs; and through cost savings of other operational expenses (you might be interested to have a look at the article “Operational Excellence Projects in Russia”, page 38).

To add uncertainties to the business we can add the following factors: forestry legislation in Russia is a subject of frequent and sometimes controversial changes; railway tariffs and electricity/gas prices are hard

Investment climate in Russia:
Below countries where greenfield pulp projects
have been built



Sources: Transparency International, World Bank, AON, Standard & Poors, World Economic Forum

Most recent greenfield pulp mill investments have been realized in Brazil, Uruguay, Chile and China; all of these are based on hardwood. Poor investment conditions and corruption are major barriers for such investments in Russia (compared to other countries where greenfield projects have been built).

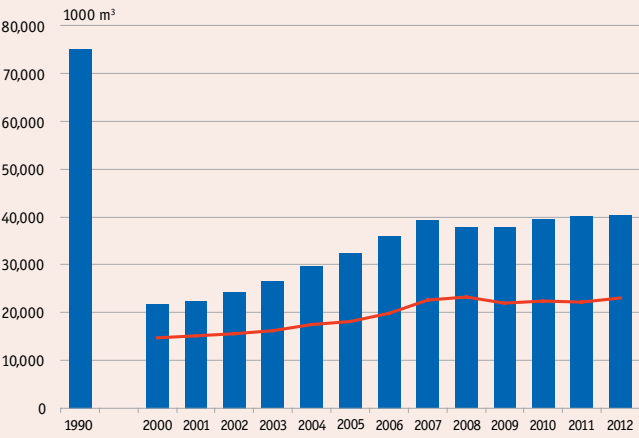
to predict even in the short term; the cost of labour is rising sharply; corruption and criminal risks are still high.

In spite of all this, the sector is developing. Unfortunately, official statistics cover only large (mainly export-oriented) sawmills. We are forced to estimate the share of smaller mills and the grey (unofficial, inc. illegal) sector through overall construction and renovation activity in the country, and through interviews. Official apparent consumption is close to zero (!) as total official production almost equals to the total official net-export. By our estimates, production of sawn wood in Russia grew in 2002-2012 with CAGR of approximately 5% (reaching some 40 million m³/a) while consumption grew with CAGR of some 4%, exceeding in 2012 level of 20 million m³/a.

Growth is there but it is not very exciting. However, while wood-based panels production and consumption surpasses the solid wood sector in growth rate (see below), the overall volume is still favours sawmilling. The situation is similar globally: the share of panels in total sawn wood and panels production globally grew from some 30% in 2002 to some 40% in 2012 in natural units. In money term, the difference is less in favour of sawn wood while its share was still approximately 50% in 2012.

In Russia, the share of wood-based panels in cumulative sawn wood and panels production (in m³) was a mere 10% in 1990, grew to over 20% in

Sawn wood supply and demand in Russia:
Soviet-era records as never-to-be-reached goal



Production (blue bars) and consumption (red line) of sawn wood in Russia: approximately half of production is not covered by statistics

Official statistics cover only large (mainly export-oriented) sawmills. The share of small mills and the grey (unofficial, inc. illegal) sector is estimated through overall construction and renovation activity in the country, taking into account mainly housing. Official apparent consumption is close to zero (!) as total production almost equals to the total net-export.

Overall, production of sawn wood in Russia grew in 2002-2012 with CAGR of approximately 5% and consumption with CAGR of some 4%.

2002 and is aiming at 30% by 2015. Comparison with the global market suggests that production and consumption growth rates for wood-based panels in Russia will remain higher than for sawn wood at least in the mid-term perspective.

WOOD-BASED PANELS:
At the threshold of a new era ...again

The general attitude of the wood-based panels business today is more or less similar to what it was in 2003-2004: new large-scale mills have been planned or are already coming on line – but the question remains: **is there market growth large enough for all these capacities to find their share?**

Back in 2003-2005, more than 1,000,000 m³/a of new MDF production capacity began in Russia while the whole market (including imports) was at mere 500-800 thousand m³/a. The majority of this new capacity was held by the Russian mills belonging to big international holdings such as the Swiss Krono Group (430,000 m³/a – one of top-5 largest MDF lines globally at that time) and Kronospan (two lines with a cumulative capacity of some 400,000 m³/a). What was the prevailing opinion in the market? End-users looking for cheaper MDF to replace imported variants welcomed it. But existing MDF producers, facing tough competition from the very-cost efficient new-comers in a still small market, were concerned.

A very similar situation is seen today in OSB supply-demand in Russia: a total market of over 500,000 m³/a in 2012, with no large-scale local producers yet, is facing the start-up this year of two large mills: a Kronospan mill in Yegoriyevsk in the Moscow Oblast (440,000 m³/a) and the Kalevala mill in Petrozavodsk, Karelia (500,000 m³/a by the capacity of the main press). With

Poor infra-structure and difficult natural conditions lead to major wood availability risk in Russia

	Pulpwood	Vologda Oblast	Krasnoyarsk Krai	Khabarovsk Krai	Australia	Brazil	China	Mozambique	Uruguay
Slowly growing, unmanaged, natural forests with high species variation lead to long transport distance and demand for large forest area in Russia	Fibre sources	Natural forests	Natural forests	Natural forests	Plantation	Plantation	Plantation/imports	Plantation	Plantation
	Species variation	Medium	High	High	Controlled	Controlled	Controlled	Controlled	Controlled
	Typical annual growth, m³sub/ha	3.5	1.5	1.0	25	35	17	25 est.	28
	Wood demand of pulp mill, M m³/a	6.0	6.2	6.3	5.3	5.5	5.5	5.5	5.5
	Pulpwood share in harvest	60 %	55 %	60 %	100 %	100 %	100 %	100 %	100 %
	Needed forest area, 1 000 ha	2 900	7 600	10 000	210	160	320	220	200
Difficult climatic conditions and poor infra-structure lead to unpredictable wood availability and large road building needs in Russia	Average wood transport distance	300 km	450 km	550 km	125 km	100 km	300 km domestic	150 km	200 km
	Climatic conditions	Hard	Severe	Hard	Adequate	Good	Good	Adequate	Good
	Main wood sourcing issues	Major infra development need, large wood inventories needed			Draught	Competition for land	Competing land uses	Low skilled labour	Limited land area for forests
	Characteristics of wood markets	Local/log oriented	Log oriented	Export/log oriented	Export oriented	Local/captive	Major deficit	None	Oligopoly
	Availability risks	Access to forests restricted by poor infra-structure			Forest fires	Social pressures	Import price	Unknown conditions	Minimal

those two mills nearly on-line and two smaller mills in the Kirov and Vladimir regions in the test phase (with a cumulative capacity of some 130,000 m³/a; one of the mills is an OPB mill) the sector is to see more than one million m³/a of new OSB capacity this year. Does the list end at those four mills? On the contrary! An ORIS project with a capacity of 500,000 m³/a (by the capacity of the main press) in the Perm Krai has been postponed but not abandoned. Part of the machinery is already on the site. Several other investment projects have been announced by existing players and newcomers both in Eastern and Western Russia.

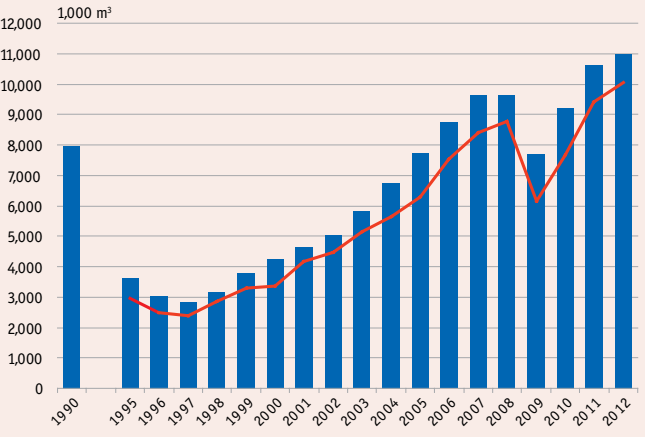
Will there be market growth large enough and sustainable enough for these capacities?

This remains to be seen. The MDF experience suggests a sharp decline in prices (up to some 80-100 Euro/m³ in real terms [2012] in prices of delivered goods to medium sized end-users, excluding VAT) with sharp rise in consumption in the coming 2-3 years – e.g., consumption of MDF in Russia more than doubled between 2003 and 2005. Imports were likely to have become very marginal by the end of this period.

Of course, the two are not directly comparable: MDF demand was boosted – among other things – by a sharp increase in domestic laminate flooring production (integrated with MDF/HDF production at the Swiss Krono and Kronospan mills) in 2004–2006. Stagnation in wet-process fiberboard supply led to further strengthening of MDF positions in Russia. However, OSB has trump-cards of its own. For example, supply of OSB to the interior/furniture sectors, as well as to the re-usable formwork sector, will not make the OSB market but it may be a considerable addition to the leading sectors: renovation, new timber-frame housing and roofing. Lower-price segment boards may find their niche in packaging. Some boards may be used to build van/truck/trailer floors. Overall, OSB is likely to compete with low-quality plywood, especially with 5' x 5'-sized plywood, popular in Russia, putting pressure on plywood prices in the domestic market.

Wood-based panels supply and demand in Russia:

Soviet-era records are history, good prospects are ahead



Production (blue bars) and consumption (red line) of wood-based panels (OSB, MDF and PB combined) in Russia: fast growth before and after the 2008–2010 crisis.

Overall, production and consumption of wood-based panels in Russia grew in 2002-2012 with CAGR over 8%: production grew with CAGR of 8.1%/a, consumption – 8.4%/a. In both cases the volume more than doubled in this period.

On the chart to the left, MDF includes dry-process fiberboards but excludes wet-process fiberboards (hardboards and insulation boards).

We see the prerequisites for a boost not only in OSB market, but also in particleboard and MDF markets. The supply situation will improve in coming years with more new lines coming into production, lowering prices (sometimes down to very painful levels for the suppliers) and increasing consumption. See more details in our article on the wood-based panel business in Russia, page 22.

Overall, production and consumption of wood-based panels in Russia grew in 2002-2012 with CAGR over 8%/a: production grew with CAGR of 8.1%/a, consumption – 8.4%. In both cases the volume more than doubled in this period. Why is this situation so different with the one we see in the pulp-and-paper sector?

There are several reasons, mainly the following:

- Wood-based panels like particleboard, MDF and OSB are gravitating to markets near to production. And production is strongly attached to wood availability. It is not feasible to transport chips long distances inland to produce panels, and it is only slightly more feasible to transport ready-made boards.
- Demand for wood-based panels like particleboard, OSB and MDF is strong and growing. New capacity appears to satisfy mainly local demand in Russia. This demand is driven by construction/renovation and furniture production activity – and it is not suffering from product substitution (like for example in paper vs. digital technology) – on the contrary, OSB and MDF enjoy increasing shares in construction and flooring respectively.
- The production of plywood is gravitating to places with a good availability of plylogs. Russia (along with the Baltic countries and Finland) is basically the only region globally with a good availability of birch plylogs. It puts Russia in a unique position. Transporting plywood long distances is feasible, which brings clear opportunities to export the boards.
- **Most importantly**, perhaps, investment in even the largest wood-based panel line is limited to several hundred thousand Euros. This is a considerable investment but the volume is much lower than in case of a state-of-the-art pulp mill. This in turn makes a difference in terms of finding loans, and it makes a difference in the perception of risks.

However, investment activity in the wood-based panel sector in Russia is considerably lower than in Eastern Europe, South America and China. So, high and growing local demand in Russia is not high enough even to compensate for Russia's disadvantages, as mentioned in the pulp-and-paper section above. You can find more details in our article "Russia's fading competitive edge" in RFR#4 (2011).

BIOENERGY SECTOR: Difficult growth or growing difficulties?

The bioenergy sector in Russia is mainly a pellet business. And investment volume in the pellet business is considerably lower than that in the pulp and wood-based panel sectors. So, among the sectors which are able to utilize low grade wood, pelletizing is – for many regions and players – a very attractive alternative to landfilling the sawing residues and abandoning low grade round wood in the forest, since new pulp mills and even wood-based panel mills require too much capital.

Pellet production is easily scalable, with no large economy of scale effects – at least not as far as machinery is concerned. A large European market and promising (but yet almost non-existent) domestic demand offer clear opportunities for growth according to market size. And there is growth: in 2012, production of pellets in Russia exceeded 1 million tons which makes volumes in the early 2000s look like nothing.

Yet there are considerable challenges:

- The market price (at least for industrial pellets) is set by the large players, including large wholesalers and large energy holdings. Industrial pellet production is probably the only wood-related segment where prices grow with volume: the larger the volume, the higher the price. It favors consolidation and **threatens small and medium sized producers**.
- Prices are low, and supply is growing – mainly from North America, with inexpensive wood (already cheaper than in Russia in some regions) and vast amounts of low grade wood. Newcomers from **plantation forest regions in South America, Africa and Oceania** are becoming more and more visible in the supply chain. A growing pellet market in Asia (South Korea, Japan and China) is opening doors for larger production of pellets in Russian Siberia and the Far East – but the competition here is expected to be equally high.
- Pellets are sensitive to transportation distances, especially inland, and especially with the fast growing railway costs we see in Russia. The production of hotly debated black/torrefied pellets would probably ease some pressure but would unlikely become a game-changer. It favours development of pellet production mostly in the North-West and Southern regions of Russia – closer to the European markets, although those regions have difficulties in raw material availability – either because there is not enough wood in the forest (South) or there is competing demand from the pulp-and-paper sector (North-West). The wood paying capability of the pulp sector is usually higher than that of the bioenergy sector, which poses a long-term threat to (non-integrated) producers of pellets.
- Currently, there is no market anywhere in the world that would be big enough to absorb volumes close to those being consumed in Europe (the share of Europe in total global consumption of pellets has remained at approximately 75-80% in recent years). But **financial problems in the Euro zone** make this market less predictable in terms of the sustainability of demand.

Overall, the pellet business in Russia has changed completely in the 10 or so years since the beginning of the 2000s: in scale (now it is truly a large-scale business), in profitability (now it is low profitability business, especially for small non-integrated players), in concentration (big players dominate) and in its general approach to running the business – now in most cases it is not a cash cow with a fast return on investment but (with a 1 million t/a capacity mill in Vyborg as the largest exception) a way to utilize low-grade wood in the integrated operations of harvesting and sawmilling.

SUMMARY: What is the Russian Forest Industry now?

A closer look at the situation shows that it is not changing from bad to worse – there is development as both the production and consumption of the main products is growing and expected to grow further. Russia remains one of very few places on the planet which can offer both large wood resources and a large and growing market for wood products.

On the other hand, the investment climate is hardly getting better; wood availability is becoming a more and more important issue for new and existing projects; long-term risks are higher or equal to the ones in the regions, competing for large-scale investments. The overall development of the Forest Industry in Russia is impressive, although it is definitely slower than it could have been – taking into account all the industry specific basics which Russia is able to offer.

Alexey BESCHASTNOV,
Pöyry Management Consulting



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Ilim Group: multimillion investments in action



Big Bratsk. Dryer

Ilim's Big Bratsk and Big Koryazhma projects, the largest in the Russian forest products industry, are nearing completion. The start-up of both Mills is expected in 2013. The total investments made by Ilim Group since 2007 have exceeded USD 1.8 billion.

In 2013 Ilim Group is going to measure the success of its two unprecedented investment projects involving the construction of a new fiberline in Bratsk (over USD 800 million investments) and a new paper machine in Koryazhma (investments exceeding USD 270 million), which are the largest in the industry since the Soviet times.

Presently completion rate of the main Big Bratsk facilities in the Irkutsk Oblast averages 99%.

The project in Koryazhma (Arkhangelsk Oblast) is also nearing completion: coated paper manufacturing is due to start in Q2 2013 as the installation of the new paper machine with a capacity of 220,000 t/y is 100% complete. The line will produce high quality white printing papers, including base paper for coating. Once the coater is installed, the output of coated freesheet is expected to reach 90,000 t/y.

According to Ilim CEO Paul Herbert, the total investments of the Company since 2007 have exceeded USD 1.8 billion, which is even more than was initially quoted five years ago.

In addition to the two major construction projects, over USD 250 million was allocated to purchase cutting-edge logging machinery, which resulted in a 40% improvement of the efficiency of logging operations, wood supply, and reforestation activities. About USD 50 million was invested in a new NSSC pulp mill in Koryazhma. However, the key focus was on the upgrade of the mills and increase of production output.

ALL SYSTEMS GO

The projects implemented by Ilim Group in Russia are unique not only in terms of the scope of investments but also in terms of unprecedentedly tight construction schedule assumed for such complex manufacturing facilities.

For instance, the Big Bratsk project was approved at a Board meeting in April 2010. A permit for construction was issued in March 2011. And by late 2012 the Big Bratsk project was already 90% complete despite simultaneous construction of

many facilities without interrupting the operations of the existing pulp lines of the Bratsk Mill.

On top of that, the output of both 2011 and 2012 has not only reached the target level but also exceeded the absolute record high performance of 2010.

Tailor-made manufacturing solutions have been put in place at the Bratsk Mill, making it one of the most efficient energy-saving projects in the industry. Of special importance is a new Metso recovery boiler designed to recover chemicals, generate heat energy, and dispose of the organic compounds after pulp cooking. The new recovery boiler uses a technology allowing to recover heat and energy from production wastes. The recovery boiler both generates heat and converts it into electricity. From an energy efficiency and environmental point of view, it is a real breakthrough in the forest products industry, offering a solution to considerably increase output with a significantly lower energy consumption. The existing equipment covers only 18% of the Mill's

energy demand, whereas the start-up of the new RB will increase the Mills's own energy capacity up to 50% and will also provide 100% of steam.

The Bratsk Mill will produce 1,000,000 tons of pulp per year after removal of the old equipment while retaining the existing hardwood pulp line (280,000 t). Once the commissioning work in all process areas of the new fiberline is completed (2013 summer), the Mill is expected to fully ramp up in 2014.

TIME TO PACK PAPER

The progress of the Koryazhma project is comparable to that of the Big Bratsk. The project envisages construction of a new paper machine (PM), coater, finishing building, PCC plant, and a number of infra-structure facilities.

Whereas the Bratsk Mill is focused on pulp, Koryazhma will be producing finished products, i.e. paper and linerboard. The facilities have been repurposed from semi-products manufacturing to produce cut and folio-size paper in reams and high quality coated paper.

The project was approved in summer 2010. The finishing building was ready for operation back in autumn 2012.

Installation of PM7 that started in summer 2011 was the most difficult and critical phase. In late 2012 the paper machine installation was 90% complete, the first paper was produced in the first decade of March of 2013. Preparation and selection of coating agents is finalized. Currently Mill employees and contractors are improving paper quality and speed parameters of the new paper machine.

The remaining part of the project is installation of the coater. The goal is to have a coater with both a robust mechanical design and upgraded electrical and instrumentation systems.

In the near future Ilim Group's experts supported by experts from International Paper and OEM representatives will have to ramp up the paper machine and achieve the required quality parameters.

WE FEEL OUR RESPONSIBILITY

The new facilities are being built to comply with European environmental standards, which is an important aspect cited by experts.

After the upgrade, the existing facilities will allow to dramatically reduce the environmental impact. The new technologies will help to reduce water consumption and the amount of discharges and emissions. Environmental measures include construction of a local wastewater treatment facility at the polluted water collector and a sludge dewatering area. This will allow to



Big Bratsk. Panoramic view on the new line

reduce the organic substances content in the wastewater and decrease COD discharges to the Vikhoreva River. The project also provides for construction of a new sludge thickening area. A new state-of-the-art NCG collection and incineration system is already in operation, its equipment allowing to considerably reduce the foul smell attributed to the mill operations. "The company has done a significant job to both improve its performance and, more importantly, reduce its environmental footprint in Bratsk. It is not a one-off effort but rather a development strategy systematically implemented by the

company", said Sergey V. Eroschenko, Governor of the Irkutsk Oblast.

Work related to the wastewater treatment facility in Koryazhma has been implemented since the 2000s. The Mill was the first to introduce oxygen bleaching of pulp, thus walking away from the use of chlorine. The Mill has considerably reduced its emissions and discharges in terms of several parameters for the last 15 years. And the design values of specific pollutants per ton of finished products are well within the limits set forth in the European standards.



Big Bratsk. Cooking area



Big Koryazhma. PMM 7

Associated social impact is no less important. Development of the Mill, being the core business in the single-industry town, will entail a revival of small and medium-sized business, and improvement of the business climate in the town. The influx of a large number of experts has allowed the local entrepreneurs to gain an additional profit and establish some new business lines, which means new jobs. Ilim Group has consistently run job re-training programs at its locations over several years, offering its employees additional training courses and subsequent employment opportunities at the new mill. The mills have their in-house training centers which train operators for various production lines. In view of the start-up of the new state-of-the-art facilities the mill employees

have had additional theoretical and practical trainings. Desktop classes were held to facilitate further practical training. Theoretical training for the Big Bratsk was based on the programs provided by OEM vendors – Metso, Raumaster, etc. Practical skills were trained on special simulators purchased specifically for this purpose. Highly qualified staff from Koryazhma had an on-site training in Svetogorsk and Kwidzyn (Poland).

HOW FIND THE RIGHT CONTRACTOR?

The work under the Big Bratsk and Big Koryazhma projects shows that currently the pulp-and-paper industry faces a number of challenges,

including: lack of experienced engineers capable of implementing large-scale projects and a serious shortage of skilled workforce. The Big Bratsk project is the first project of this scale implemented in Russia over the last three decades and the last paper machine with a capacity comparable to that of PM7 was installed at Svetogorsk Mill in 1986. Due to a three-decade gap between implementation of "large-scale construction projects" the project required numerous adjustments in the process.

Yury V. Morgunov, Director PM7 Construction, says: "The most sensitive issue is lack of Russian design, construction and other specialized companies capable of implementing such large-scale projects with their own resources, without involvement of subcontractors. Indeed, a general contractor who engages subcontractors to perform work under a project comes to be fully dependent on the quality and speed of subcontractors' work. Unfortunately, the quality and pace do not always meet the schedule required for a successful project implementation. This has caused and is still causing some delays in design, construction, installation and other work on PM7".

Construction industry has a similar problem. There are no specialized companies familiar with the specific nature of construction of pulp-and-paper facilities. Relatively big companies are experienced only in building shopping centers and car showrooms. Vladimir Sokolovsky, Managing Director of Bratsk Mill Site, points out: "Speaking about the project in general, the first challenge we had was lack of experience. In fact, this was a first time for all of us."

Another major challenge was lack of skilled workers. For example, we were recruiting construction people in all Russian regions and the CIS countries. In Bratsk, we have people from Moscow, St. Petersburg, Omsk, Novosibirsk, Krasnoyarsk, Irkutsk, Vologda and many other cities. We had to source crane operators capable of servicing new cranes (their lifting capacity reaching 800 tons) in all Russian regions as well as in Belarus.

"The peak mobilization numbered over 600 people from different places", said Vladimir Sokolovsky. "Construction experts were the first to come, they were followed by installation and mechanical staff, while now we have mostly process experts from equipment and chemicals suppliers. Thus, we have an on-going staff turnover."

We had to engage quite a large number of foreign experts under the project. For instance, PM7 Construction is being managed by Marek Walkiewicz who has previously contributed to construction and start-up of ten sheeters and five paper machines at different IP locations. High-level experts from IP and other leading companies

were also engaged under the project to perform installation and ensure high-quality start-up in all areas. Four leading Russian and foreign design companies have contributed to the Bratsk project implementation: Harris, Poyry, Sibgiprobum, and SibNTC. Equipment for the new mill was supplied by the world's leading OEM manufacturers: Metso (Finland), Air Liquide (France), Aker Solutions (Canada), Raumaster (Finland), Kadant (Canada), Collareda (Italy).

WHO WILL BENEFIT FROM OUR PROJECTS?

There is absolutely no doubt that the projects will soon be completed. Where will you sell products from your new machines?

"Both our projects are market-based", says Paul Herbert. "The Big Koryazhma is oriented towards the domestic cut-size and coated paper market. Ilim's efforts are primarily focused on imports substitution. Currently all coated paper and partially cut-size is being imported and our project will satisfy domestic demand for Russian paper. In Bratsk, our sales market remains the same, that is China with roughly 10% of products shipped to Japan and Korea. Global pulp consumption in China has increased by more than 4%, which is more than we can supply from our new fiberline in Bratsk. It means we can expect high demand for our products. With a capacity increase in mind, we have additionally purchased two locomotives to be used at the industrial site for hauling products, built eight kilometers of railway tracks and switches, and concluded a long-term lease agreement with the Russian Railways for 200 rail cars." Ilim Group also plans to supply the domestic market – a new line can be used as a base for a new paper mill.

The Company is elaborating new development plans. "Currently the focus is to successfully complete and start up our big projects, and then we will start development of our next growth steps, which will include investments focused on building capacity for high quality consumer packaging products for the domestic market, and a second major expansion of our softwood pulping capacity in Siberia to satisfy the growing Chinese and SE Asian demand." – summarizes Paul Herbert.

In particular, the Bratsk project results will be used for decision-making with regard to execution of another major investment project involving the rebuild of the Company's Ust-Ilimsk Mill. Construction of PM8 in Koryazhma is another option.

The only challenge according to Zakhar D. Smushkin, Chairman of Ilim Group's Board of Directors, is the availability of raw materials. "If it were not for costs, there are no problems with raw materials. But we work in the market



Big Koryazhma. PMM 7

environment which means we have to find more efficient ways to reduce our costs. We have plans to achieve optimization through transfer to wood supply mainly by onshore and not sea transport, increase in capacity, and transfer to intensive forestry and reforestation. This can be a solution," Mr Smushkin says confidently.

Currently the Company uses own resources to harvest about nine million cubic meters of wood out of 14 million of the total processed volume. In line with increasing its manufacturing capacity, Ilim has plans to expand own harvesting volumes. Furthermore, the Company will continue to reduce its wood cost which accounts for 25 - 27% of pulp cost. "Russian companies have been long

discussing the need to introduce sustainable forest management and reforestation practices, while other forest countries have long been practicing advanced forest management and using innovative practices to grow target wood species at an accelerated rate. We are at risk of lagging behind other global forest countries and wasting the enormous potential offered by our national renewable forest resources," believes Mr. Smushkin. We need to remember that we operate in the global competitive environment and it is nowadays critical for Russian companies to implement innovative forest management practices". ■

Yekaterina GOLUBEVA



Big Koryazhma. Panoramic view



Visit of Zakhar Smushkin, the Chairman of Ilim Group, at Big Koryazhma project's site, March 2013

Russian Sawmills Lose Their Traditional Competitive Advantages

Future Offers both Significant Opportunities and Challenges

Sawmills in Russia have a clear log cost and labour price advantage but both of these are eroding fast. Labour productivity in particular offers opportunities for improvement. Decisions about site selection and correct mill size are crucial. Product and service development opportunities also exist at a time when supply structures of key global sawnwood markets are expected to change significantly.

COST STRUCTURE

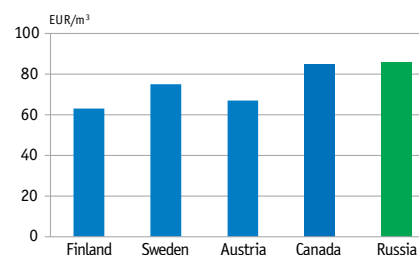
In sawmilling, raw material has a dominant share of the total cost and of total productivity. As the sawmill yield cannot be changed over night, changes in productivity will take time. The cost structures between competing supply countries vary due to differences in:

- Raw material base
- Input prices
- Machinery and level of technology
- Product mix
- Logistics

SAWMILLING COST

Russia has very high overall sawmilling costs compared to the main competing countries with similar log characteristics, i.e. Scandinavian countries and the Baltic countries to some extent.

Figure 1. Sawmilling Cost

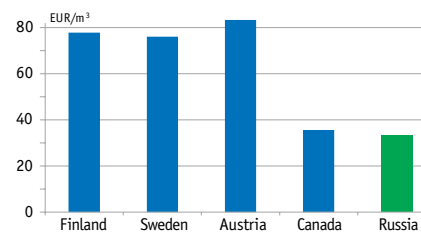


Canadian producers have a similar cost level as Russian sawmills, whereas Scandinavian, and especially certain Central European and Baltic producers, possess a significant cost advantage.

RAW MATERIAL COST

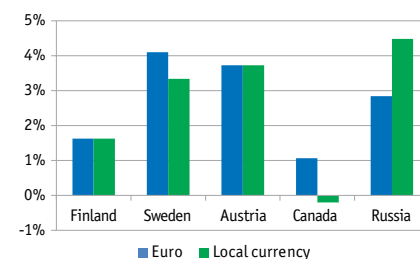
Russia has the lowest delivered log cost among the main competing suppliers – in relation to different softwood fibre types (fast vs. slow growing) as well as sawnwood end use (non-structural vs. structural) types.

Figure 2. Delivered Log Cost in 2011



In Russia, (wood) raw material prices have risen rapidly in the local currency following general inflation, but favorable exchange-rate development has halted the growth of euro-based prices.

Figure 3. Log Price Changes in 2006–2012



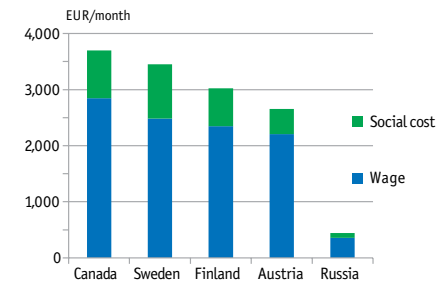
Russian raw material competitiveness will face serious challenges in the next several years:

- Unlike in many competing areas, stumpage costs are very low in Russia. Log cost consists mainly of harvesting and transport costs. Thus Russian companies have little room for reducing delivered log costs during weak market conditions, while in competing countries stumpage works as a buffer
- Furthermore, inflation will increase input costs in harvesting and logistics
- Poor road infra-structure will continue to pose a challenge. Capital investment in forest infra-structure is urgently needed

LABOUR

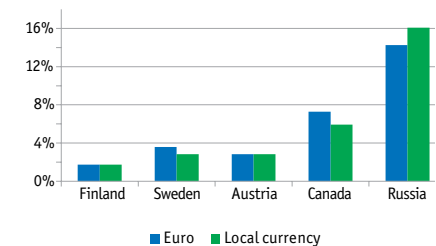
In Russia, the hourly labour cost is clearly the lowest but...

Figure 4. Labour Cost in 2011



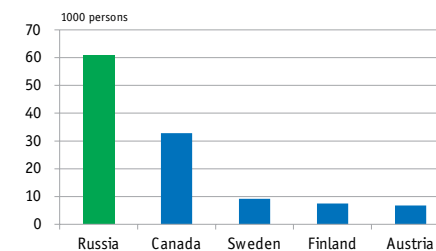
...they have increased 14% in the local currency and 16% in euros (i.e. faster than inflation) since the mid-2000s.

Figure 5. Labour Cost Changes in 2006–2012



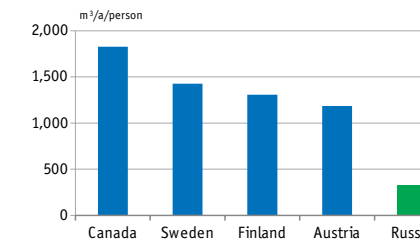
The number of employees in the Russian sawmill industry far exceeds the employment level in other major global producer countries, especially in Austria, Finland and Sweden.

Figure 6. Number of Employees in 2011



Although labour productivity has increased quickly, it is still very low. Productivity improvements have not been able to offset the hourly labour cost increases, and therefore the unit costs have increased.

Figure 7. Production per Employee in 2011



However, the Russian sawmill industry possesses significant labour productivity improvement opportunities.

PRODUCT AND SERVICE

Much of the Russian sawmill industry continues to lag behind, in product sales value relative to competitors, in several markets. This disadvantage has been due to the perceived product quality issues resulting mainly from the outdated technology and differences in service levels, namely timeliness, ease of payments, and claim handling.

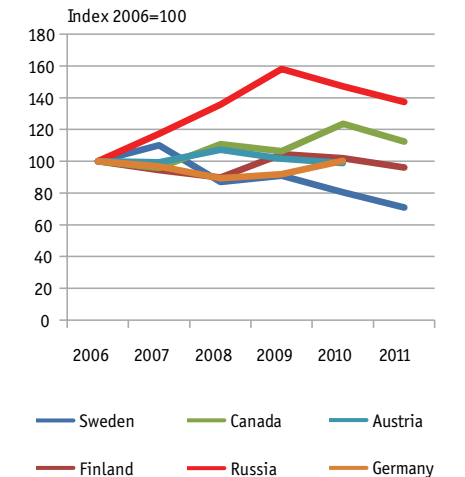
The latest capacity investments and upgrades, as well as expansion outside Russia, are beginning to change this unfavourable situation. The reputation and the characteristics of the general asset quality of Russian producers are improving.

Service disadvantages result partly from the lack of a local presence – Russian sawmill companies have typically not had sales offices or terminals/landed stock in key export markets.

Despite this, sawnwood prices have increased more than log prices in Russia, as shown in the sawnwood-log price ratio. In many European countries the situation has been the reverse.

While logistics costs from Russia are somewhat higher than from some other areas, product value could be increased further through improved product offering (grades, sizes and finishing), as well as through better marketing. The high-quality raw material used by the Russian sawmills allows the production of several of these higher value specialties.

Figure 8. Sawnwood-log price ratio (gross)



Furthermore, value/business-opportunity creation for sawmill residues (mainly chips) that are currently widely underutilized, particularly in Siberia and the Russian Far East, could improve the competitiveness of Russian sawmills.

CONCLUSIONS

The Russian sawmill industry still has a clear **log cost advantage** relative to many competitors. This advantage is largely due to the extremely low stumpage costs. However, as inflation pushes logging and hauling costs up, the sawmill industry gradually loses this advantage, on which it has traditionally relied.

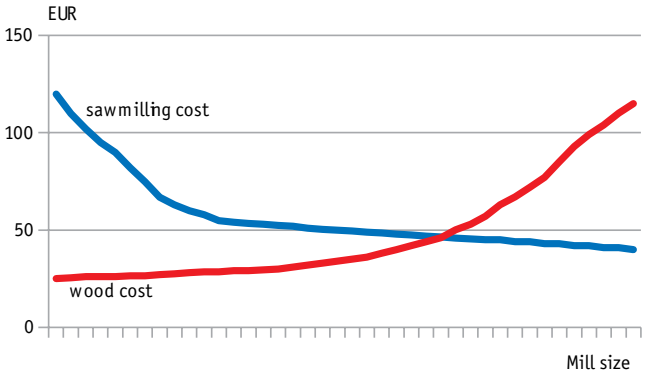
Other costs (such as sawmill **labour** costs) are also increasing rapidly with inflation, resulting in a continuing loss in competitive **advantage**.

The main means through which the competitiveness of the Russian sawmill industry can be improved are:

- labour productivity (both at sawmills and in logging/hauling)
- forest infra-structure
- product/sawnwood value increase
- processing residue value creation



Figure 9. Example of optimal mill size analysis



Capital investment at sawmills is one obvious key way to improve **labour productivity**. However, since log transport costs are considerable and infra-structure limited, the **optimal mill size** (and in greenfield investment site selection) has to be analysed carefully. Log cost per cubic meter increases with mill size and other cost savings become marginal once a certain mill size has been passed (fig. 9).

The third area for improving competitiveness is through **product value increase**. Raw material quality in Russia is high and allows the production of higher value specialties (e.g. planed visual applications, strength graded, modified/treated products, components, etc.) in comparison to basic rough sawn products for structural purposes.

Key global sawnwood markets will face major changes in supply source structures during the next few years offering opportunities both in structural and non-structural applications.

Due to extensive beetle damage, Canadian exports, largely structural, will decrease to the rebounding U.S. market and also that in Asia (China and Japan).

In addition to the emerging structural product opportunities in the U.S., there are numerous

sizeable higher-value product opportunities in the U.S. (fig. 10).

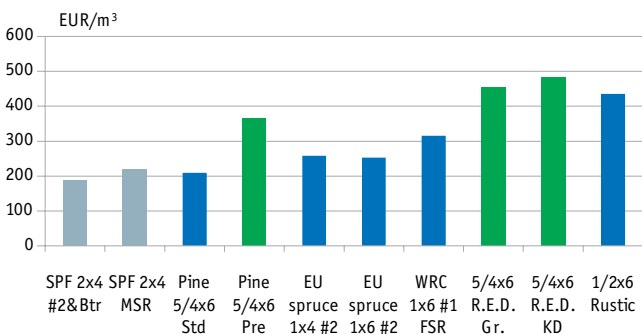
Russian pine sawnwood could be used for treated/modified high end decking (ca. EUR 370/m³ in September 2012). Western Red Cedar – which is in increasingly short supply – could also be replaced by other species with appropriate modification in decking applications (prices around EUR 450/m³ in September 2012).

European demand will not grow considerably, and an EU Timber Regulation (effective March 2013) requiring due diligence related to the origin of wood may affect exports from Russia to Europe.

The overall development of European sawnwood demand is largely dependent on the development of wood use in construction and increasingly on use within non-residential construction. Russian sawmills have to find an optimal position in the overall value chain of wooden construction in the European market.

The optimal use of by-products depends on the location of sawmill. The highest product value may be achieved with products such as torrefied pellets or even bio-refinery products (bio-diesel or cellulosic ethanol) instead of traditional pellets or low-value sales to pulp mills.

Figure 10. Prices of non-structural products in the U.S.



Consequently, strategic decisions related to both sawnwood and processing residues are required and they should be based on detailed market and product opportunity analyses.

If considerable improvements in cost savings, by-product values and sawnwood values are not achieved, sawmills, particularly in western Russia, will face serious challenges in maintaining their global competitiveness in the next few years.

*Jarno SEPPÄLÄ,
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Indufor

Indufor has more than 30 years of consulting experience in the forest industry and bio-energy sectors. Our services cover all strategically important issues for the industry: forest management, wood supply and procurement, manufacturing processes, markets and logistics and M&A.

For further information regards Indufor services in Russia please contact Mr. Allan Flink (allan.flink@indufor.fi)

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A partnership tested by time: the guarantee of common success!

*Shelekhovsky Kompleksny Lespromkhoz, one of the leading enterprises in the logging industry of the Khabarovsk Krai working in tree felling and transportation, has now been working with the **John Deere company** for more than 10 years. The oldest manufacturer of its kind in America supplies the forestry enterprise with both forestry machines and road-building equipment used for laying forest roads. This close relationship is not just a coincidence, but the result of many years of productive cooperation.*

It all began in the far-off year of 2002, when the first small John Deere 450 bulldozer and medium class 850S-P bulldozer were delivered to Shelekhovsky KLPKh. These machines were built before John Deere officially entered the Russian market with building equipment, and became the first road-building equipment of American manufacture to be used in the Russian forestry sector. The bulldozers are still in use at the enterprise.

Inspired by the productivity of John Deere equipment, an enterprise affiliated to Shelekhovsky KLPKh, Tsimmermanovskoe, also opted for the American equipment. Initially, the felling area was managed by contracting organizations. But after some time it became clear that this approach not only did not help the development of the logging company, but lead to serious losses. Rejecting contracted services, Tsimmermanovskoe initially rented and then purchased a package consisting of a John Deere 1270D harvester and a 1110D forwarder. Completely justifying the owners' expectations, the machines showed excellent performance and were economical to run, despite the features of the local felling area, the climatic conditions and the structure of the soil.

It is no secret that it is impossible to develop forested lands without developing a road

network. A lack of roads seriously complicates the felling and transportation of timber, care of the forest, and the taking timely measures if fires break out. In 2003, road-building equipment began to be updated – the enterprise bought diggers, bulldozers, and dump trucks, equipped the log collection point with timber loaders, and improved the sorting line. Favorable and comfortable conditions were created in the repair and assembly workshop.

A little later, the founders of Tsimmermanovskoe acquired a John Deere 850J bulldozer at one of their sections. Powerful and productive, but simple to use, this machine has the greatest ripping depth in its class, copes excellently with making new forest corridors, and investigates additional possibilities for felling in forest landscapes. It also proved to be an invaluable assistant in the logging process, taking part in the preparation of spaces to store timber (forming stacks), stump clearance, and clearing the area of felling residue. The road-building machine found wide application in the logging industry, proving itself to be the missing link in the chain of "harvester + forwarder".

Later, the equipment was updated several times. The equipment fleet was joined by an 872 G grader, which optimized work in building forest roads. In 2010, for the Kharvesterny 2 section, a John Deere 1270E harvester and 1210 forwarder were

purchased, and for the Timberedge section, two new "harvester + forwarder" complexes and three timber trucks were acquired.

An important role in choosing a partner was played by John Deere's quality of service and their speed at reacting to equipment breakdowns. Shelekhovsky KLPKh and Tsimmermanovskoe have been working for some time with the local official John Deere dealer, Daltimbermash, which has highly qualified technical personnel and its own warehouse of spare parts.

"We have reached an understanding with the Daltimbermash company, and have good relations with it," says Sergei Konovalov, the general director of Tsimmermanovskoe. "This approach guarantees that there will not be any long periods of idle time because of equipment failure."

The quality of equipment, reliability and low operational expenses, as well as convenient service were all fundamental characteristics informing the choice of Shelekhovsky KLPKh and Tsimmermanovskoe in their equipment partner. The use of both John Deere logging and road-building machines has made it possible to increase production efficiency, and take another step forward in the development of the forestry sector. ■

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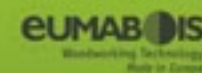
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The wood-based panel business – Russia is growing

The global wood-based panel business is diverse. The plywood business is resource driven, i.e. the business develops when there is a good supply of high quality logs. The reconstituted panel business is less dependent on raw material availability and more driven by local demand. In both cases it is safe to say that Russia is a place where there are opportunities in place.

DOK Kalevala, Karelia, Petrozavodsk. Siempelkamp Conti-Roll press installation in the OSB workshop, June 2012



THE GLOBAL WOOD-BASED PANEL BUSINESS: China's share grew from 12% to over 50% in ten years

If we look at cumulative numbers for main wood-based panel types – OSB, MDF, particleboard and plywood (i.e., all wood-based panel products except wet-process fiberboards, the market for which is rather stagnant) – we see that in the last decade, the global production of wood-based panels has doubled (CAGR 7.2%). For the purposes of this article “the last decade” means the years 2001-2011, as detailed statistics of 2012 are not yet available for all selected regions.

In 2001-2011, the fastest growth was seen in the Asia Pacific region, including (and undeniably driven by) China. The Asia Pacific region showed CAGR of 16.8% for production and 17.5% for consumption. The region has increased production and consumption of wood-based panels approximately fourfold in the last 10 years. Its share in global production totalled 61% in 2011 (as against 26% in 2001).

And – once again – when we say “Asia Pacific” here, we mostly mean China. By “Global production of wood-based panels”, we actually mean “Production of wood-based panels in China...” and

in the rest of the world” – as the share of China is currently more than 50% of both production and consumption of all wood-based panels on the planet. This is not true for each type of panel individually, as regional differences in production and consumption of particular panels play their role, but it is a fact of the cumulative picture.

The wood-based panel business gravitates towards resources and markets. China is a bit of an exception to this rule: it has a severe wood shortage and yet both production and consumption of wood-based panels show the largest volumes and very fast growth. An attractive and predictable investment climate as well as the competitive cost of labour has put China in the position of a global leader, e.g. in furniture production (more than 50% globally) and in laminate flooring production (over one third globally). It creates demand for panels as raw material for the furniture industry and for production of construction materials. China is the largest net exporter of wood-based panels globally, but the main consumer of Chinese wood-based panels is also China, as its share of net export of wood based panels is below 10%. A good investment climate pushes the prices of chemicals down (domestic production), while driving the cost of labour (competition among the unemployed transforms into competition for employees) and drives the cost of energy up (production of energy lags behind demand). On the other hand, the growing cost of labour has its positive effects too, as it promotes the fast growth of the domestic market and aids in the boom in construction activity.

WHERE IS RUSSIA IN THE PICTURE?

Eastern Europe (including Russia) was the second fastest growing region in the world in 2001-2011, with CAGR of some 8.3% for production and some 8.5% for consumption. Russia was one of the main locomotives here, as its share in total production of wood-based panels in the region was 27% in 2001 and grew to 30% in 2011. So, the development of the Russian wood-based panel sector was faster than in Eastern Europe on average, in terms of production. We should keep in mind that in terms of new capacities coming on stream Russia was behind other Eastern Europe countries because considerable capacities in Russia were idle or underutilized since the mid-1990s to early 2000s. In Eastern Europe, the share of new capacities commissioned in 2000-2011 relative to cumulative capacity before 2000 was the highest in the world – more than 50% (excluding Russia but including Turkey). In Russia, the share of new capacities in the same period was only some 40%, which was lower than both in China and South America.

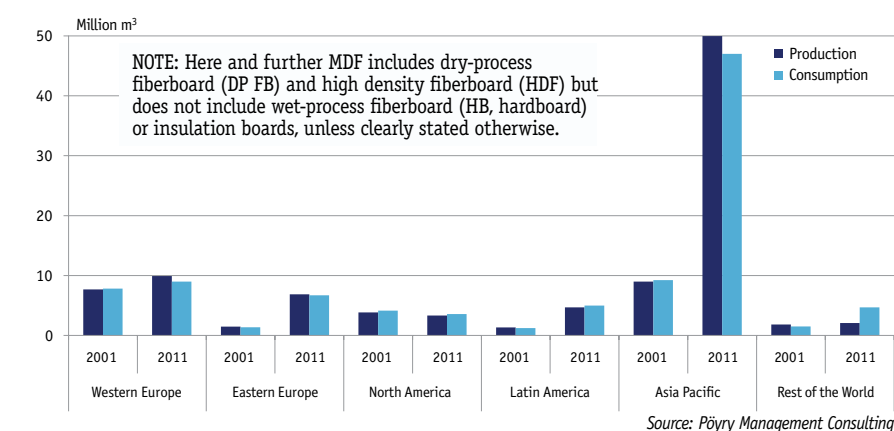
The overall share of Russia in the global production of wood-based panels (excluding wet-process fiberboards) was some 2.4% in 2001. In ten years, it grew to some 3.0%. What a decent share of a country possessing 2% of planet's population and over 20% of its wood resources in global production should be remains a matter

of discussion. It is obvious that compared with the development in China, progress in the Russian wood-based panel sector and its size appears unimpressive. But there is nothing to be ashamed of: Russia has had its moments and direct comparison with China would make almost any country these days look small.

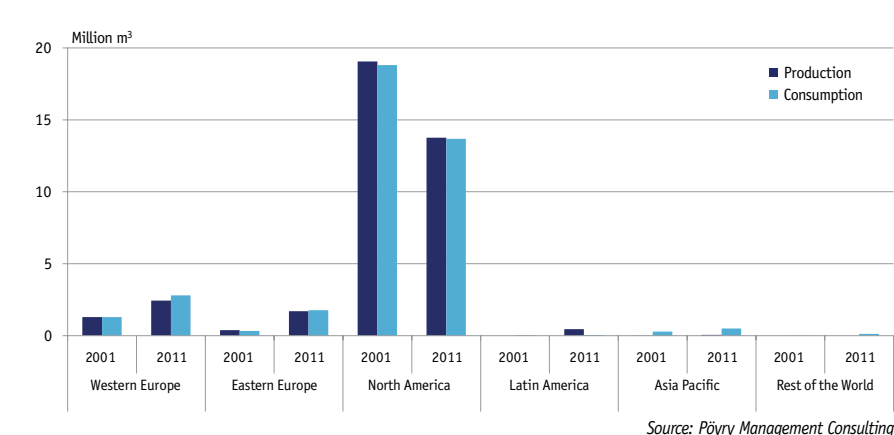
Particleboard production and consumption globally

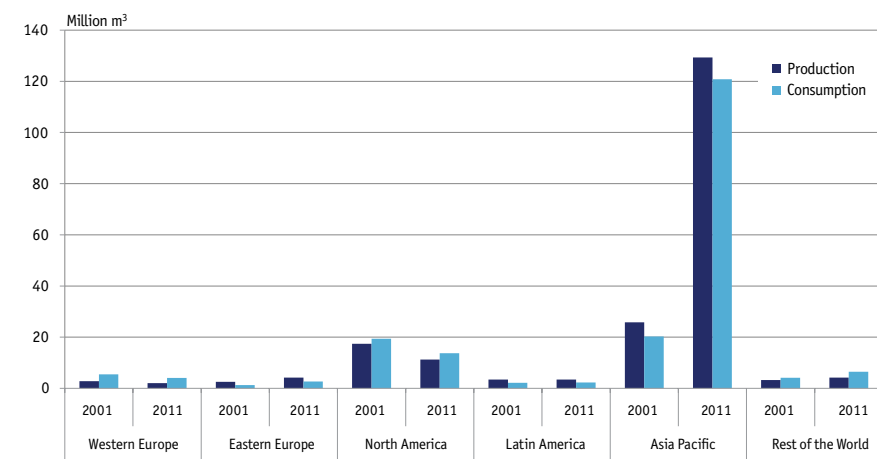


MDF production and consumption globally



OSB production and consumption globally

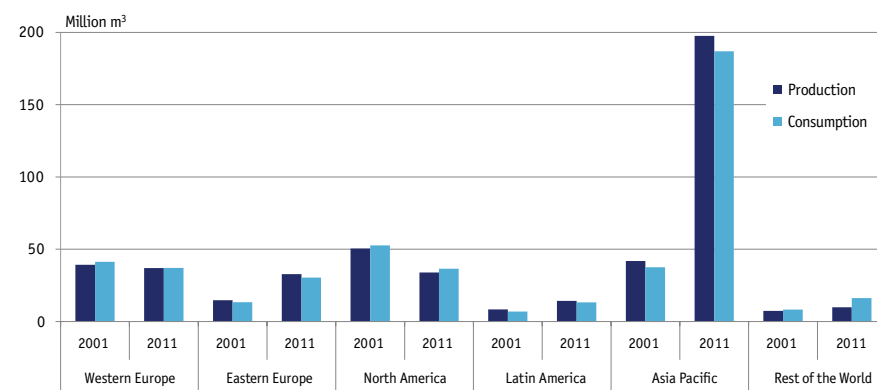


Plywood production and consumption globally

Source: Pöyry Management Consulting

Wood-based panels* production and consumption globally**

Asia Pacific increased production and consumption of wood based panels (inc. plywood) app. fourfold in the last 10 years. Its share in global production reached 61% in 2011 (26% in 2001).



* Including OSB, MDF, PB and plywood. Excluding wet-process FB

** Asia Pacific includes Japan and China. Eastern Europe includes Russia and Turkey

Source: Pöyry Management Consulting

**LOCAL DIFFERENCES:
Plywood and MDF in the East,
all the rest – in the West**

The regional differences in global production and consumption of certain wood-based panels are large:

- Regional consumption of particleboard is closely related to production. In the last 10 years (2001-2011), Eastern Europe and the Asia Pacific region almost caught up with Western Europe as the biggest global particleboard producing and consuming region, while Western Europe and North America were the only two regions to lose volumes both in production and consumption.
- While the overall global volume of MDF production is approximately the same as for particleboard (some 76 million m³/a in 2011), its breakdown by regions differs significantly. The Asia Pacific region dominates global MDF production (65% in 2011) and consumption (62% in 2011). Almost all of this volume comes from China: 58% in global production and 56% in global consumption in 2011.
- OSB production is the highest in North America (approximately 90% of the total in 2001, approximately 75% in 2011) due to local housing practices. For the same reason, consumption of OSB in North America fell sharply in the end of 2000s, following the decline in residential housing in the region. The Asia Pacific region, Latin America and Russia are at low levels with the possibility of making a striking improvement in the next decade.
- The Asia Pacific region increased production and consumption of plywood approximately fivefold in the last 10 years. It is an absolute leader, with 84% of global production in 2011 (47% in 2001).
- For reference, the global production and consumption of sawnwood declined – by approximately 0.1% in 2001-2011. The sharpest decline in production was seen in North America (CAGR 3%), whereas Eastern Europe and the Asia Pacific region were the fastest growing regions (CAGR 2% and 1.4% respectively). Europe and North America are the largest softwood sawnwood producing and consuming regions in the world, while the Asia Pacific region and both Americas are the biggest in terms of hardwood sawnwood indicators.

**THE WOOD-BASED PANEL
BUSINESS IN RUSSIA:
Regionally exciting**

In terms of local perceptions, Russia is undeniably part of Europe, and specifically Eastern Europe: it has strong particleboard production and demand;

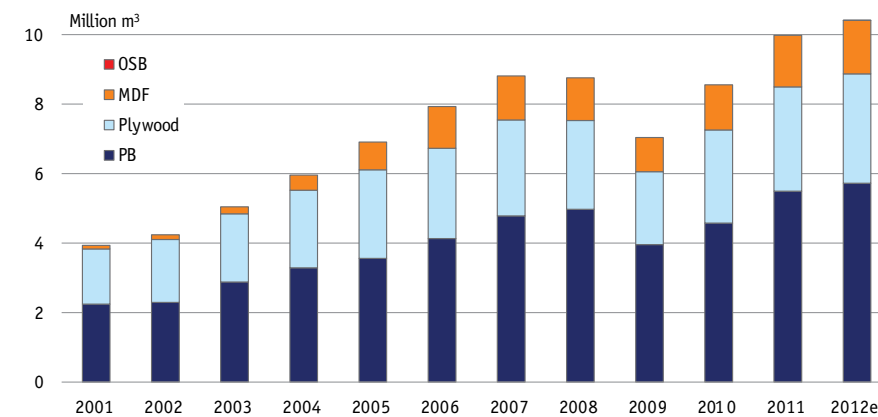
MDF is growing although with some lag behind Western Europe; OSB is an exciting novelty; and plywood is a well-established product mainly for local and Western European consumers.

Throughout the mid-2000s, there was fast growth both in production and consumption of wood-based panels in Russia, followed by a sharp decline of some 20% in overall production and some 30% in overall consumption in 2009. In 2012, production and consumption volumes for OSB, MDF, plywood and particleboard taken together were 19% higher than in 2008. So, there has been a recovery and there is now growth after the latest crisis.

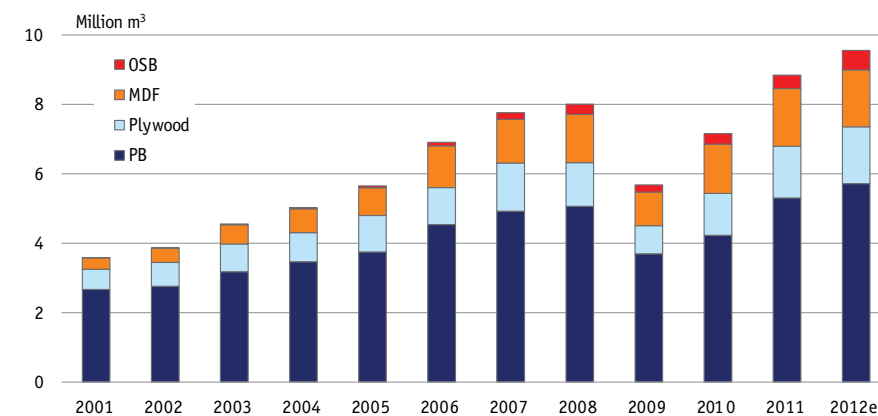
Besides, there are exciting possibilities for further growth: the wood-based panel business in Russia is facing a new wave of large capacity mills to come on-stream in particleboard, MDF and OSB sectors in the period between 2013-2016.

The overall 2001-2012 picture and future prospects for each panel type looks as follows:

Particleboard production increased 2.5 times (CAGR 9%), and consumption more than doubled (CAGR 7%) in 2001-2012. In 2012-2013, the market experienced a shortage in particleboard supply due to fast growth in demand. There are a number of large-scale particleboard projects in Russia, all in the Volga and Ural areas (by large-scale projects we mean those with a capacity of more than 400,000 m³/a per line). The largest of such projects is currently Kastamonu Entegre in Tatarstan (with a capacity of 720,000 m³, part of a future mega-site). Other large-scale investments may include Kronospan in Bashkortostan (capacity is unknown, but it is a part of a future mega-site where some 1000 ha has been acquired), Uvadrev in Udmurtia (with a capacity of 500,000 m³) as well as Sveza in a yet-to-be-confirmed location (with a capacity of 500,000 m³). If all these projects are realized, particleboard capacity in Russia will have been

Production of wood-based panels in Russia

Source: Pöyry Management Consulting

Consumption of wood-based panels in Russia

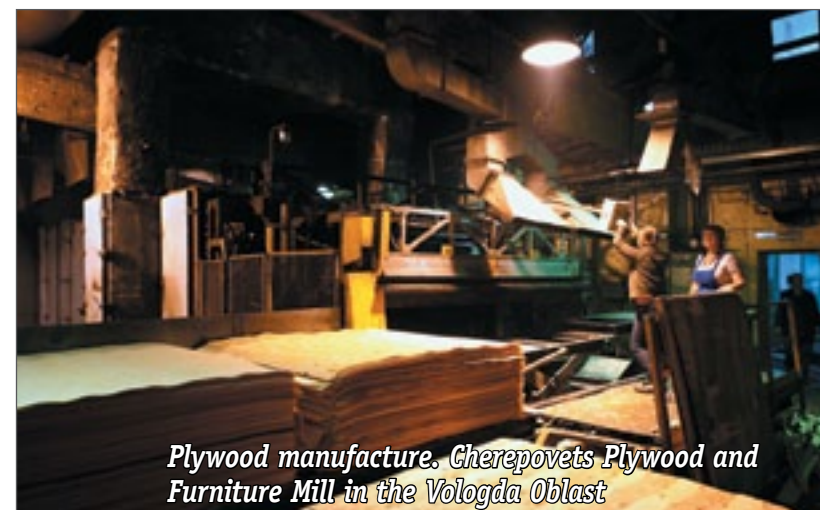
Source: Pöyry Management Consulting

increased by some 30%, putting pressure on prices, profitability and even the survival of many existing mills, especially smaller and older ones. One third of current total particleboard capacities in Russia is more than 30 years old. The average age of main machinery in this group is 47 years old (!).

Production of MDF increased fifteen-fold (CAGR 30%), while consumption grew fivefold (CAGR 16%) in 2001-2012. In 2012-2013, the market enjoyed low prices due to some overcapacity after start-up of mills in Tomsk (Russia) and Korosten (Ukraine). This trend is likely to continue at least in the short run, as there are several more lines in Russia/the



*MDF-boards Factory model in Igorevsky DOK in the Smolensk Oblast
(Russian Laminate Group of Companies)*

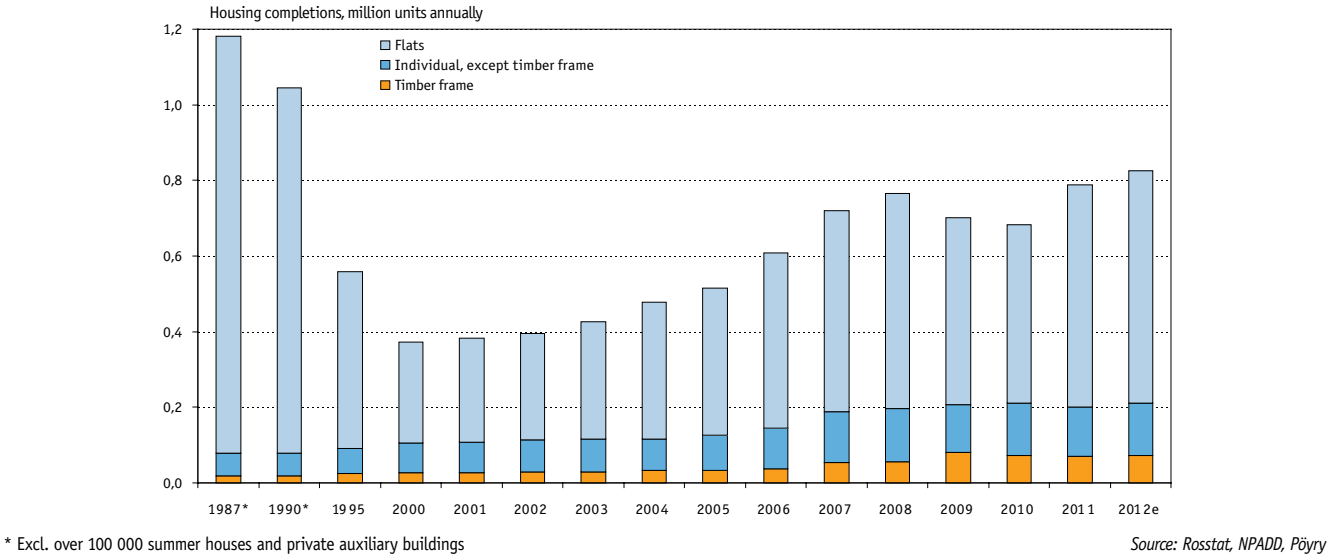


Plywood manufacture. Cherepovets Plywood and Furniture Mill in the Vologda Oblast



*Laminated chipboards manufacture.
Igorevsky DOK in the Smolensk Oblast*

New residential housing in Russia: still lower than end of 1980s level



CIS about to start up in 2013-2014, including Kastamonu in Tatarstan (480,000 m³/a) and PDO Apsheronsk in Krasnodar (330,000 m³/a). The two aforementioned lines alone would add nearly 50% to the existing MDF capacity in Russia! Many dry-process fiberboard lines are struggling even now (note, that dry process fiberboards are regarded as part of the MDF group) and the situation will hardly improve for them – at least in the medium term.

After numerous delays, **OSB production** finally started in late 2012 and still remains at the test

stage. Consumption grew from almost nothing in 2001 to more than 500,000 m³/a in 2012. There is still no large-scale production in the country, so prices are high just as hope for further growth in the market is once a large-scale domestic production appears.

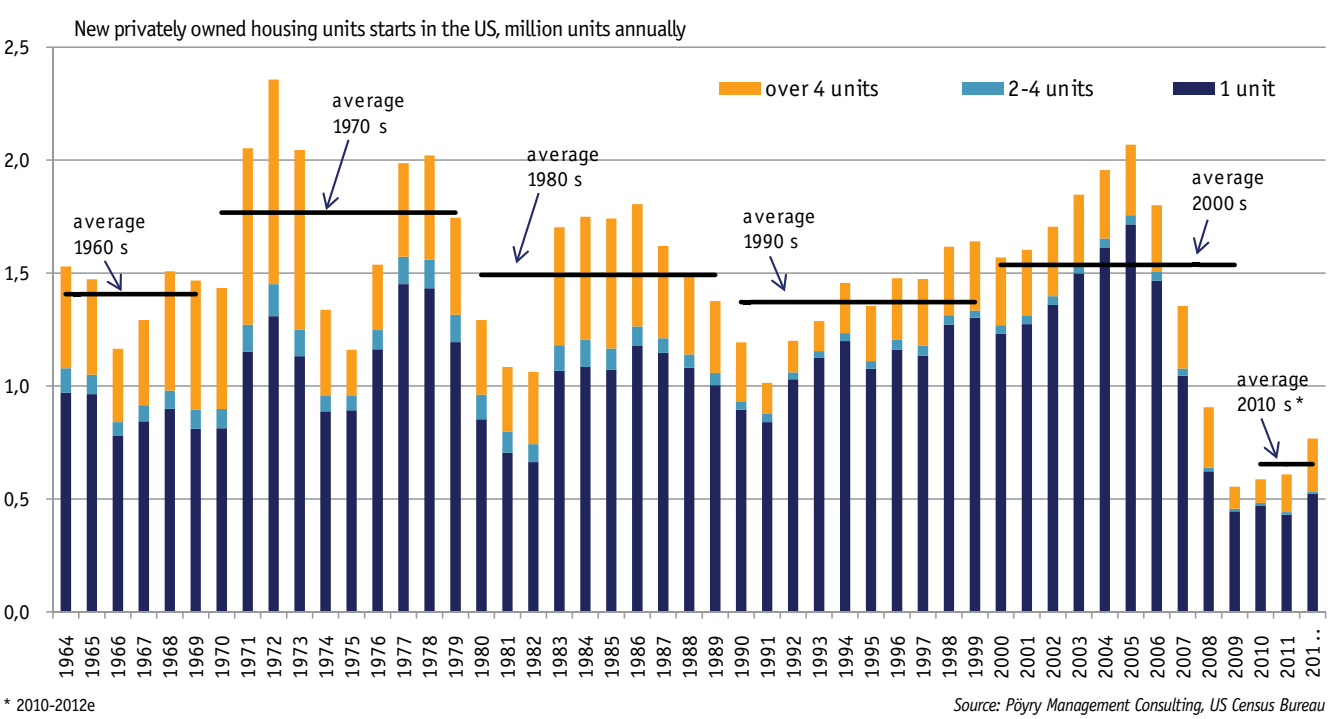
Two main start-ups that the market is looking forward to are the Kronospan mill in Yegoriyevsk in the Moscow Oblast (440,000 m³/a) and the Kalevala mill in Petrozavodsk, Karelia (500,000 m³/a based on the capacity of the main press),

with the high probability that they will start during this year. With these two mills being nearly on-line and two smaller mills in the Kirov and Vladimir regions going through test runs (with a cumulative capacity of some 130,000 m³/a, one of the mills is OPB mill) the market is to receive more than one million m³/a of installed OSB capacity this year. The list of new start-ups is not limited to these four mills: the Oris project, with a capacity of 500,000 m³/a (based on the capacity of the main press) in the Perm Krai has once again been postponed but not abandoned,

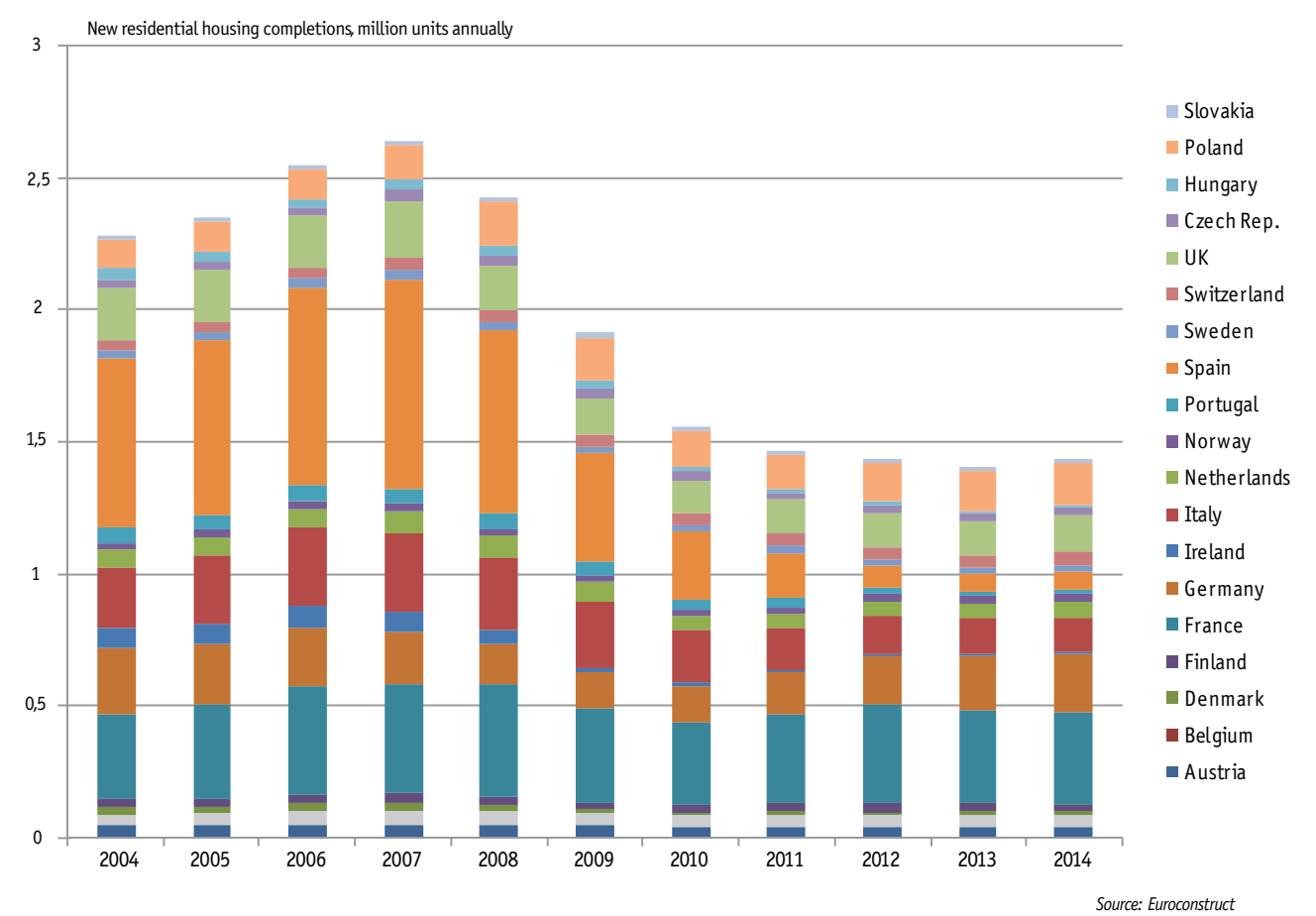
Kronostar, Sharya, Kostroma Oblast



New residential housing in the USA: revival ahead



New residential housing in Europe: after dramatic drop in 2007–2010, Europe faces stagnation





Kalevala DOK energy center building

with some of the machinery having already been delivered to the site. Several other investment projects have been announced by existing players and newcomers both in Eastern and Western Russia: e.g. the Kastamonu project in Tatarstan (with a capacity of 500,000 m³/a). The situation here is more or less likely to follow the scenario of MDF supply-demand development in Russia in 2003-2006: low prices, a plummeting share of net imports and a fast-fast growth in consumption in 2014-2017.

Production of plywood has doubled (CAGR 6%), whereas consumption has almost tripled (CAGR 10%) in 2001-2012. New production lines are mostly large-size plywood lines (4' x 8', 5' x 10' and similar). Besides, there are many older and smaller lines for "square plywood" (5' x 5') production in the country. Prices for plywood will likely drop in the medium term as a result of pressure from the OSB market, with the domestic market oriented, especially, toward lower quality products taking the biggest hit. However, the unique position of Russia as a possessor of vast birch plylog resources should keep the industry in good shape for many years to come. And back to the comparison with China, Russian production – whichever way we look at it – is not that large; e.g. in plywood the production is below 3% of the volume produced in China alone. The plywood business depends on both domestic and export markets like Europe, the U.S. and MENA (Middle East and North Africa). While Europe faces stagnation, U.S. construction activity

is likely to recover and Russia's is likely to continue growing. (See charts on housing starts).

There is a visible path to growth in Russia. And one of the hottest questions in the industry now is: will the market grow fast enough and become large enough for the new capacities to find their place in MDF, OSB and particleboard production?

RUSSIAN PROSPECTS: Partly cloudy with a chance of precipitation

There are three main prerequisites needed for the wood-based sector to grow: a (large and growing) local market, (commercially available) wood and an (attractive and predictable) investment climate. Out of the three, Russia looks good in everything but the investment climate. In terms of main inputs for wood-products manufacturing, Russia is not among global leaders any longer. Wood is not the cheapest, the energy cost is already high, and the cost of labour is not overly high but growing fast. However, individual components, like wood or energy, may be less expensive in other regions but overall, the Russian cost base is still quite competitive and suggests potential for a further development of the industry. How fast and how far? It now depends mostly on the general investment climate in the country.

*Alexey BESCHASTNOV,
Pöyry Management Consulting*



Dieffenbacher press in chipboards manufacturing workshop, Cherepovets Plywood and Furniture Mill in the Vologda Oblast

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On foto: Boiler station in Lesozavod 25, Arkhangelsk

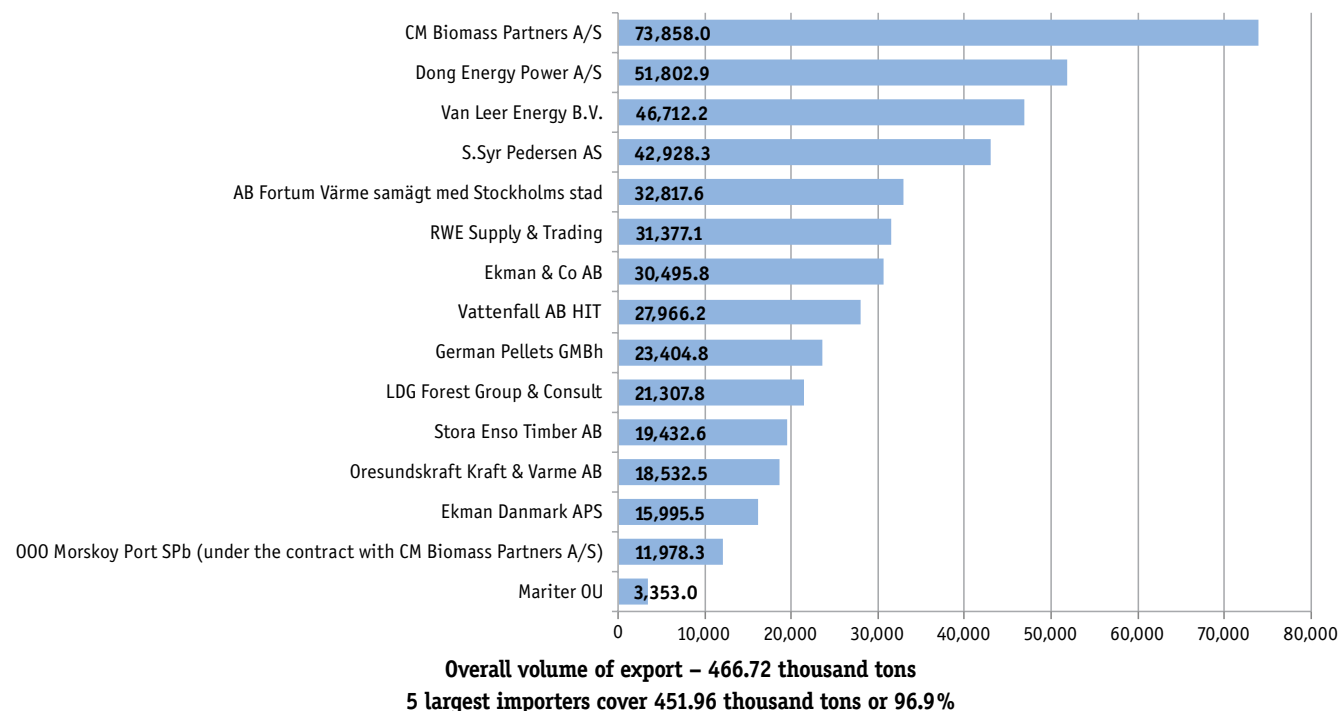
Russia goes to Asia and overload Europe with pellets

The country with the largest forests in the world – Russia – is not yet the world's largest producer of pellets. Its 3rd or 4th place in the pellet production market is explained by low usage of wood raw materials in the entire

forest complex of Russia. This could change in the near future when more international woodworking companies start operating in the country, and not only Scandinavian and German companies (as is the case today) but

also companies from other parts of the world making an appearance in the deep Russian forest. At the same time more than 1 million tons of pellets were exported from Russia to the European Union in 2012.

Main European consumers and purchasing volumes per 6 months of 2012



VYBORG PLANT

The Vyborgskaya Lesopromyshlennaya Corporation (VLK) is increasing its production volume of wood pellets rapidly. While it has not reached its annual capacity of 900,000 tons, it did produce and export about 500,000 tons of pellets in 2012. The company's management says that they are increasing production in the near future and plan to reach 900,000 tons per year in the 2013-2014 period. The exact amount of produced pellets has been verified. Arnold Dale of Ekman said that VLK produced only 320,000 tons of pellets in 2012, while Customs statistics confirm that VLK exported about 700,000 tons of pellets in 2012.

The main problem for the Vyborg plant is a lack of necessary timber resources in its surrounding area. Wood is delivered from far North-Western territories in Karelia, far-off parts of the Leningrad Oblast and some others regions. The delivery shoulder is more than 500 km in a lot of cases. However, the Vyborg plant is the biggest pellet plant in Europe. Andritz constructed this plant several years ago on the border with Finland.

FAR EAST PLANT

Another indicative event which occurred in 2012 is the start of operations in the Far East by the Arkhaim company, which exports all its pellets to South Korea. The capacity of the plant is 250,000 tons per year, using CPM presses. The company is located in the Khabarovsk region and about 80,000 tons of pellets were exported by this company to the Samsung corporation in 2012.

At the same time most pellets are produced in the Central and North-Western parts of Russia and Western Siberia. The majority of produced pellets are exported to the European Union by trucks, ships and railway.

KEY RUSSIAN HARBORS

Vitaly Lipsky, CEO of the National Forest Development and Investments Agency (Russia) which has produced a market analysis of the situation of the pellet market in Russia said:

“The Russian pellet market tends to high concentration and monopolization. Today, the number of buyers exceed the number of exporters by more than three times, but it wasn't so two

years ago. The main volume of pellets is exported to Denmark and Sweden (approximately 79%). Almost all the pellets were exported from the northwestern region of Russia, with the key ports being St. Petersburg, Vyborg and Ust-Luga. The top wood pellets buyers were SM Biomass A/S, Dong Energy Power A/S, Van Leer Energy B.V., AB Fortum Värme samägt med Stockholms stad, RWE Supply&Trading, Ekman&Co AB, Stora Enso Timber AB, Vattenfall AB Heat Nordic, S.Syr Pedersen A/S and others. Furthermore, Russia is beginning to export wood pellets from Far East ports to South Korea. While this volume is small – 10,000 tons in six months – it is very telling. Large pellet producers, such as OAO DOK Yenisey and OAO Novoyeniseysky LHK located in Krasnoyarsk region, have the possibility to start export of wood pellets to the Asian market, and that is a great logistic alternative to European market for them.”

Small wood pellet producers, unable to accumulate shipping consignments at the port, actively export pellets by truck, packed in small bags for private use. This allows them to survive in a competitive environment and gives them the chance to get a better price for their products.

TBM Company is selling the plant for finger joint windows scantlings

The Kirov Oblast, Slobodskoy, 40 km from Kirov
Approach road: asphalt, cross roads P166 and P176
Launch – 2009 • Property land

Warehouse – 640 m² • Drying complex – 560 m³
Wood-sawing workshop – 1800 m² • Stock of raw materials – 4600 m³

Wood-sawing workshop

Workshop FJ windows scantlings

Drying complex

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Machine park - Weinig, Resh, Paul, Mühlböck Vanicek, Nestro.
Efficient data base of bold timber suppliers, developed distribution channels.
Guaranteed order for more than 1500 m³ of FJ windows scantlings per annum.
Ready to consider leasing of the plant with right of redemption.



Polytechnik boiler station installation at Lesozavod 25, Arkhangelsk

EXPERT OPINION

The Russian market is changing. Small companies are disappearing and large timber holdings are becoming big pellet producers. Vitaly Lipsky says: "The largest producers and exporters of pellets are subdivisions of industrial timber companies with horizontal or vertical integration. First of all, these are companies with logging units or large wood processing enterprises, and they are provided with raw materials and have significant financial resources. The companies pushed out of the market had no strong ties with the forest industry, and were focused on the purchasing of raw materials from independent loggers or wood-working producers; this didn't allow them to compete with the timber holdings."

Alexander Makhonko, CEO of the Factor terminal in Ust-Luga port said that "there is crisis in the loading business in Europe and Russia. We were thinking about constructing a special terminal where Russian pellet producers could reload their pellets in bulk using special cranes and

transporters. But there is not enough pellet turnover to justify constructing such a terminal for the Russian pellet industry today. The Vyborg plant is the biggest producer but it has its own terminal and uses the Vyborg port for its export needs. Ust-Luga is too far away from this plant".

In general, Russian pellet production is growing and Russia is becoming one of the biggest pellet producers in Europe. Russian entrepreneurs are trying to gain entry into the Asian market by starting in South Korea.

BELARUS

Forests are one of the most precious natural resources in Belarus, covering about 40% (8.56 million ha) of its territory. The Ministry of Forestry of the Republic of Belarus is the primary designated government agency responsible for forest utilization, reproduction, conservation and protection. State forestry companies – leskhozoes – produce wood, lumber, briquettes and pellets.

About 10,000 tons of pellets were produced by five leskhozoes in different Belarus regions. However, the state is not the biggest pellet producer in Belarus. Private companies are leaders in pellet production and export. Such companies as Vitebsk Sawmill and Profitsystem have the major part of the market.

Sergei Staravoitov, Marketing & Sales manager of S000 Profitsystem says: "We produce about 1,200 tons pellets per month in two plants. A third plant is under construction. We also buy pellets from four companies in Minsk and the Vytebsk area. All pellets are exported to Europe".

Pellet production in Belarus will be increased but not as rapidly as in Russia. Belarussian companies increase production volumes in small steps.

However, all companies which produce pellets do it in a stable manner, and they are more sure of raw material deliveries than Russian producers. State pressure on the forest complex has a positive impact on pellet production development in this case.

UKRAINE

The Ukrainian market is the most unstable market among the three CIS markets of Russia, Belarus and Ukraine. New companies come to the market while some producers are pushed away from the market. Unstable laws and an uncertain market situation make the pellet business very tricky in Ukraine.

However, Ukrainian companies produce more pellets than those in Belarus in total. Most pellets are exported to Europe by trucks, mostly to Poland and Germany.

OPEN MARKET

Interesting marketing research has been done by INFOBIO and NFDIA (Russia) in cooperation with The Bioenergy International. Russia in 2012 ("Open Market"). Its research provides all market participants with transparent information about export prices, volumes and commercial terms. This project was created for exporters and importers and allows them to understand the Russian market better.

The first issue (in Russian) is free, and if you are interested in the Russian pellet market, you can get full information by sending a request to rakitova@infobio.ru. An English version is also available.

Olga RAKITOVA
Chief editor

of The Bioenergy International.Russia



Manfred Heller, the head of manufacture of MADOK Sawmill in the Novgorod Oblast, proudly demonstrates the Urbas boiler station

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Russian PPI: Current state and outlook

A number of events determining the future of Russian industry and the economy took place in 2012. It is generally felt that Russia's accession to the WTO was the central event of the year. The consequences of it are not regarded as purely positive, and the prospects of the Russian economy under these new conditions have been long and still are hotly discussed by society.

While Russian exporters (of raw materials and semi-made products) will receive certain benefits from WTO accession and a good chance for market expansion, the manufacturers of consumer goods will face a dramatically intensified foreign competition on the domestic market.

Most Russian processing enterprises operate outdated, ineffective equipment domestic products are characterized by high unit costs, environmental unfriendliness, and significant variations in the quality. All these factors undermine the competitiveness of Russian high-tech products on global markets, and eliminated import tariffs will help this scenario be reproduced on the domestic market in a few years. The bad situation is further aggravated by the complicated economic situation in Europe suffocating as a result of decline in production capacities and sagging demand, on the one hand, and Asia boosting the global supply of manufactured low-cost goods, on the other.

In developed countries, the pulp-and-paper industry remains at a level consistent with stagnation. According to the Confederation of European Paper Industries (CEPI), the output of paper and cardboard in 2012 went down by 1.6% in Western Europe, by 10.8% in Canada, by 2.5% in Japan, and by 1.3% in the USA and South Korea, the greatest fall being suffered by the sector of writing and printing paper (including newsprint).

In the meantime, China raised the production of all types of paper and cardboard by 7%.

According to predictions by RISI experts, the expanding markets will account for the 3% growth of the global demand for paper and cardboard in 2013 (against 1% in 2011–2012). The renewed demand for graphic papers (up to 2%) is expected following zero demand observed for the previous two years. Nevertheless, the level of consumption will be 7 million tons less than that before the financial crisis. Global paper consumption will continue to fall (although not so fast), the forecast for 2013 is 9 million tons or 23% less than in 2007.

Packaging and hygienic paper products will continue to stimulate the growth of the global paper consumption rate: in 2013, the former will experience a 4% increase (which is 6 million tons [22%] more than the level of 2007), and the latter will enjoy a 4.5% increase (4% against 2012 and 18% against 2007). The positive long-term forecasts for these product categories are ensured by the growing average per capita consumption in China, India and other developing countries. While developed countries expect that paper and cardboard consumption will become stable after a two-year decline, the growing markets may have a 6% growth as against 2012.

When speaking about the falling demand for paper and cardboard in developed countries, we should

remember that the average per capita consumption in Russia (as in Brazil) is about 50 kg/person. In this respect, Russia is far below average global consumption level: its consumption is 3 times less than in Canada and EU countries and 4 times less than in Japan and the USA. In twenty years of ups and downs, Russia's average per capita paper consumption increased by 26% compared to that in 1992. China's paper consumption has increased 3.5 times to 75 kg/person for the same period (the output was up 5 times to 103 million tons) which became an illustration of the potential of the national economy supported by the government.

As a follow up to the introduction of pure-cellulose coated papers, Chinese companies redirected investment to hygienic products. So, APP China announced the launch of 42 new PMM up to 2015 for the production of tissue papers which will enable the company to augment the output of hygienic papers from 1.9 to 2.7 million tons per year. In general, if successfully implemented, today's plans will help Chinese producers increase the output of tissue from 3.4 to 9.1 million tons.

It is obvious that the Russian pulp-and-paper industry faces serious challenges to its position on global markets and meeting domestic demand.

The structure of the Russian pulp-and-paper industry is uneven: 17 big companies account

for nearly 80% of paper products. Most of them are foreign-invested joint stock companies. These companies have extensive real-market experience and they will be able to stay afloat in their segments after Russia's WTO accession thanks to their levels of engineering and management. The position of small companies (more than 150 or 75% of the total number of PPMs in Russia) using obsolete machines accounting in aggregate for 5% of pulp-and-paper production will be jeopardized.

According to Rosstat, the economic growth rate of Russia was lower in 2012 than in the previous year, which means that the post-crisis recovery period is over. According to the preliminary estimates, GDP growth in 2012 was 3.4% as against 4.3% in 2011. The industrial production growth rate slowed down inching to just 2.6% as against 5.1% in the previous year, that of processing plants was 4.1% as against 6.8%. Foreign trade turnover slumped from 33.0% to 3.3%.

The national average IPI was 102.6%, processing industries showed 104.1%, while PPI demonstrated just 102.1%.

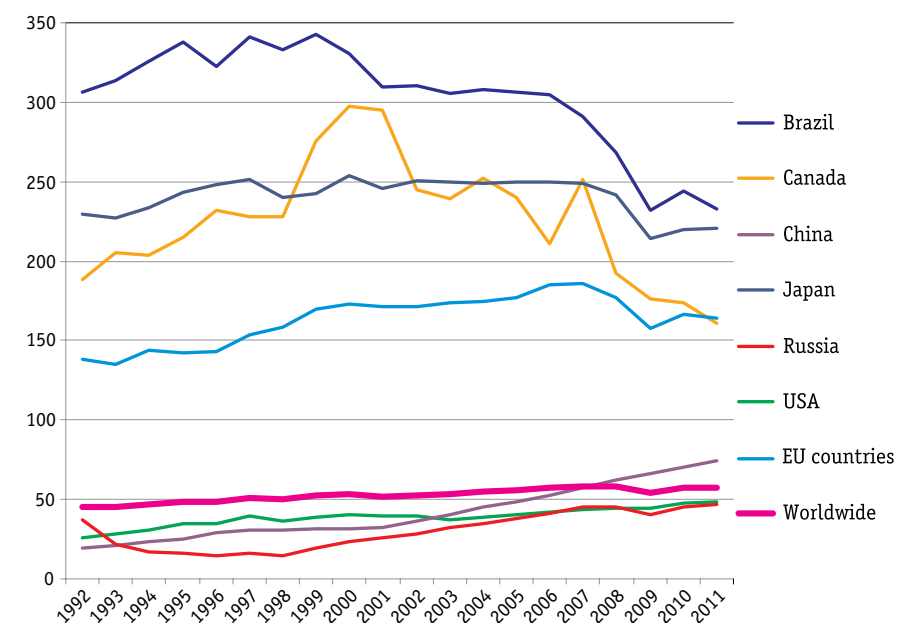
Pulp-and-paper production continued to grow in 2012 although not so fast as in pre-crisis years. The increase in the output was driven by the outstripping growth of production of hygienic and packaging products (except unimpregnated kraft paper bags). At the same time, Russia, like the rest of the world, faced an intensifying trend to lighter-weight corrugated and non-corrugated cardboard packaging.

This trend has also been observed in the newsprint sector: the newsprint weight lowered from 45 g/m² in 2010–2010 to 42–43 g/m² in 2012, which enabled PPMs to increase the output of products in terms of the size measured in square meters. On the other hand, these measures helped PPMs reduce the operating costs per 1 m² of finished product and somewhat enhance the competitiveness of their products on the domestic and foreign markets.

In 2012, the domestic market for pulp-and-paper products suffered immensely from imported goods, mainly from Western Europe. This largely predetermined the decrease of pulp-and-paper product prices compared to other timber industry sectors and processing facilities as a whole.

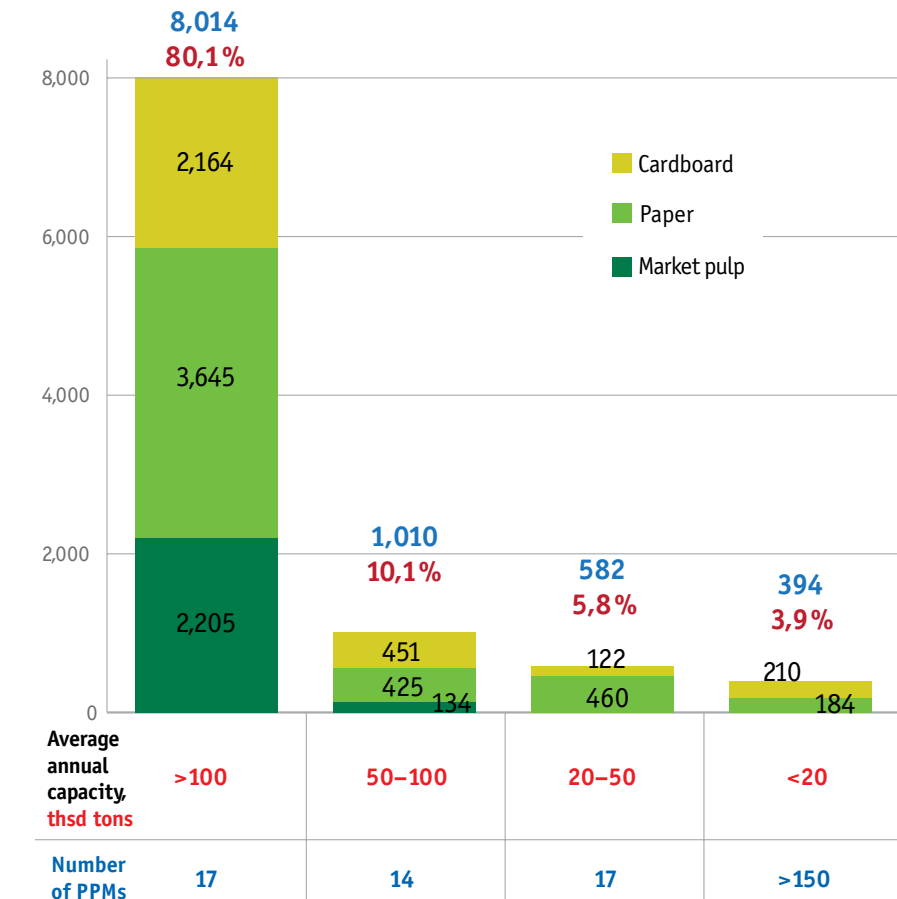
Russian timber exports have been significantly affected by the condition of the global timber markets. While the overall Russian exports grew by 1.6% in 2012, timber exports (col. 44, 47–48) went down by 6.4% (to \$33.2 billion), and their share in total Russian exports fell from 2.1% to 1.9%. The decrease was observed, first of all, in roundwood exports (by 17%), newsprint (16%), and lumber (3%). In monetary value, these categories in aggregate account for about 60% of total forest products exports. On the other hand,

Average per capita consumption of paper and cardboard in the world, kg/person



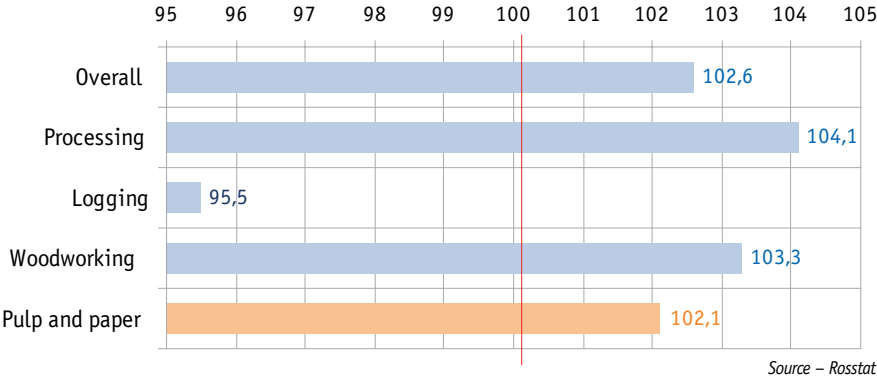
Source – FAOSTAT Database

PPMs structure and product output in 2012, thsd tons

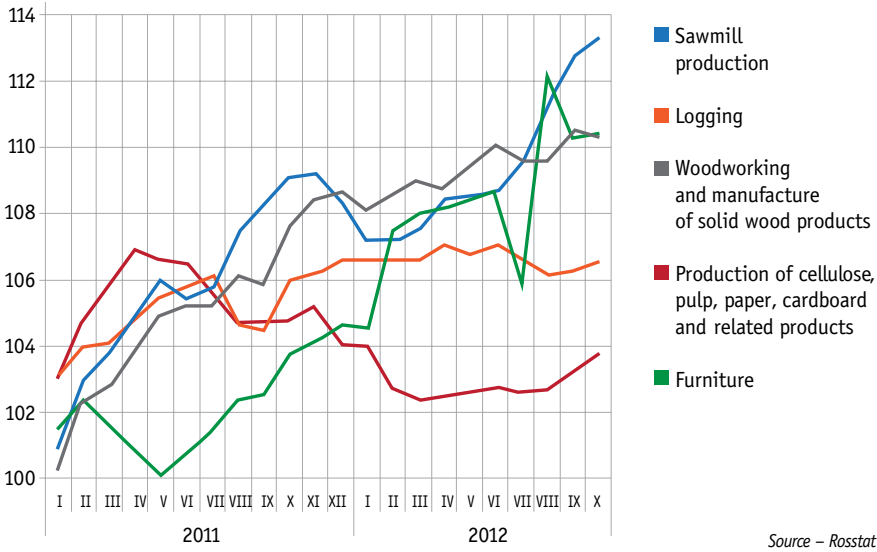


Source – Federal Service of State Statistics (Rosstat)

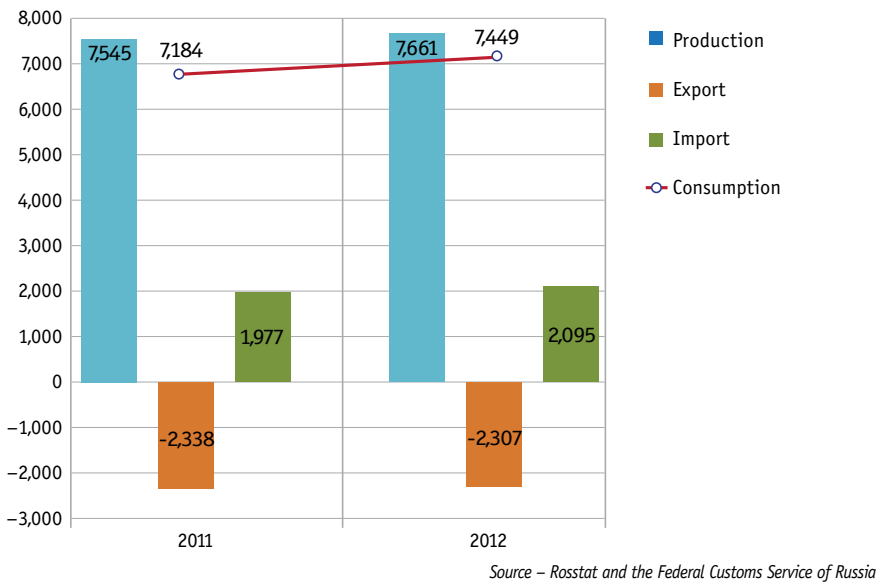
Russian Industrial Production Index in 2012 compared to 2011, %



Russian timber products: producer price index in 2011–2012 (% against December 2010)



Paper and cardboard production, export, import and consumption in Russia, 2011–2012, thsd t



the supplies of plywood went up by 6.9% and market pulp went up by 7.3%, and their share in forest products exports grew by more than 23%.

Export revenues dropped by nearly 25% due to the perceptible decrease of roundwood (mainly for deciduous roundwood) and lumber prices. The price decline was also observed in other key timber export categories. The decrease in prices of lumber and pulp was not so notable, while the newsprint export was down by 7% in weight and 16% in monetary value.

The share of timber exports in 2012 was 1.9% (as against 2.3% in 2011). The monetary value of this product group decreased by 5.3% compared to 2011 while the physical volume grew by 6.3%. The growth was mainly ensured by the supplies of structural timber products (by 22.1% in volume and 17.6% in revenues). There is a notable increase in hygienic products supply (by 6.4% and 4.3% respectively), writing and printing paper (by 21.9% and 17.9%). The import of coated and impregnated papers and cardboard grew in weight by 10.7%, packaging products by the same measure by 4.1%, and coated papers and cardboard grew similarly by 5.4%. However, the cost of importing the first two went up just by 2.0% and 0.7% respectively, and coated papers went down by 1.9% due to the significant drop in global prices.

Obviously, the lower demand for consumer products in Western Europe led to the increased import of high added value products in Russia. Moreover, import outstripped export in all cases due to the slump in global prices for the main high-tech product categories.

The PPI price dynamics in Russia is consistent, in general, with the disturbing European trend in terms of the main product categories in 2011–2012. Thus, the share of raw materials in the cost of recycled paper and cardboard in Western Europe was 30-35% which let the producers adjust prices in response to changing the market conditions. As to the high quality coated and office papers, the cost of raw materials accounted for 70–80% of the price of the finished product which prevented most producers from reaching the minimum acceptable rate of return. Taken the almost 25% decline in domestic demand in Europe in 2012 and strengthening competitiveness of Chinese producers, many European enterprises were forced to limit output and close down unprofitable PPMs or export their products to developing economies, including Russia.

According to RISI, Western Europe has phased out plants with an aggregate capacity of 700 thsd tons of newsprint and 2.5 mln tons of other writing and printing papers, and a further decline by 1.1 mln tons of newsprint and 2.5 mln tons of other graphic papers is expected by 2014. In general, output of printing papers will fall by nearly 7 mln tons in four years (which is equal to

the average annual output of all types of paper and cardboard in Russia) or by 15%.

At the same time, European producers increasingly promote their products in the Russian market using their distribution networks and encouraging wholesale importers which lobby their interests in Russia.

Despite the overall slowdown in Russian economic growth, the local pulp-and-paper market keeps growing in 2012. The consumption increased by 3.7% compared to 2011 mainly at the expense of higher production and import with lower export.

When it comes to average per capita consumption of paper and cardboard, the gap between developed countries and Russia (having significant forest, water, energy and labour resources), means the boost of both domestic production and imports, the balance between them being determined by the degree of long-term investment attractiveness of the industry. Today, the most investor-attractive pulp-and-paper sectors are hygienic products (volume of investment grew by 47% in 2012) and corrugated cardboard, paper and cardboard packaging (by 51%), and paper and cardboard products (by 28%). Investment in cellulose and pulp production, however, has fallen by 2%. According to earlier strategies, new production facilities are being commissioned by the subsidiaries of OAO Ilim Group in Bratsk and Koryazhma, OAO Mondi Syktyvkarsky LPK, ZAO International Paper and other big integrated companies. However, this is only directed at the refurbishment of existing plants.

The Russian Ministry of Industry and Trade approved the “List of Priority Investment Projects in Forest Development of the Russian Federation” in 2007, i.e. before the crisis, and it included five new PPM projects. Today, only one project remains alive – an integrated timber processing plant to be built by OAO Angara Paper. The date of its commissioning, however, cannot be predicted. Obviously, large-scale investments into new chemical wood processing plants should not be expected in the near future either.

It may be concluded that the main prerequisite for the survival of small domestic enterprises in this situation is accelerated diversification and refocusing on niche products meeting domestic demand, accompanied with minimized expenses on raw materials and energy, optimized logistics chains and production as a whole, and the development and implementation customer-oriented sales strategies for finished products.

Yury LAKHTIKOV,
Russian Association of Pulp-and-paper Organizations and Enterprises (RAO Bumprom)

Production of main types of timber and paper products in Russia

Product description	Unit of measurement	2012	2011	%
Roundwood	mln m³	112.94	118.9	95.0
Lumber	mln m³	20.6	21.0	97.8
Fuel pellets	thsd t	791.4	394.3	200.7
Plywood	thsd m³	3,149.5	3,030.8	103.9
Chipboard	thsd m³	6,753.4	6,487.6	104.1
Fiberboard	mln m²	457.6	452.8	101.1
Wood pulp	thsd t	7,651.1	7,643.2	100.1
Market pulp	thsd t	2,339.0	2,306.0	101.4
Mechanical pulp, semi-chemical pulp	thsd t	2,257.4	2,378.4	94.9
Paper and cardboard	thsd t	7,698.7	7,556.8	101.9
Paper – Total	thsd t	4,713.4	4,753.2	99.2
Cardboard – Total	thsd t	2,947.4	2,791.5	105.6
Newsprint	thsd t	1,820.1	1,925.8	94.5
Offset paper	thsd t	369.0	376.5	98.0
Writing and notebook paper	thsd t	65.4	61.6	106.2
Uncoated kraft liner	thsd t	1,600.1	1,547.4	103.4
Fluting paper in rolls/sheets	thsd t	1,215.0	1,206.0	100.7
Uncoated testliner	thsd t	417.7	304.0	137.4
Kraft boxes (shipping boxes)	thsd t	1,220.2	1,138.9	107.1
Wallpaper	mln pcs	117.8	107.2	110.0
Toilet paper	mln rolls	2,685.2	2,396.1	112.1

Source – Rosstat



Russian export of main timber and paper products in 2012

Product description	CCT of CU code	Units of measurement	2012	2011	%
Roundwood	4403	thsd m³	17,057.4	20,674.0	82.5
		\$mln	1,474.2	1,962.0	75.1
Lumber	4407	thsd t	10,719.2	11,058.1	96.9
		\$mln	3,245.9	3,368.2	96.4
Plywood	4412	thsd m³	1,556.0	1,394.4	111.6
		\$mln	848.5	793.5	106.9
Market pulp	4702–4704	mln t	2,003.3	1,832.6	109.3
		\$mln	1,286.3	1,198.3	107.3
Newsprint	4801	thsd t	1,220.6	1,306.8	93.4
		\$mln	644.5	764.3	84.3

Source – Rosstat

Operational Excellence Projects in Russia



A Difficult Road to Getting Higher Profits with Zero Investment

Improvements in performance can be derived from three areas: strategy, assets and execution. Unlike other approaches, which mainly suggest that performance can only be improved by acquiring/upgrading equipment, cutting labor, producing a new product or entering a new market, the Operational Excellence method is founded on maximizing operational results with the resources you currently have in place.

The approach is easy to describe but difficult to realize, as it collides with cautious management

attitudes (“they will identify my non-achievements and mistakes for MY money”) and inertia at lower levels (“we’ve always done it like this – why do we need to suddenly change?!”).

Operational Excellence is not so much about finding performance gaps as it is about putting better systems in place. Through its experience in working with hundreds of forest products facilities across North America and Europe, Pöyry not only identifies opportunities for improved performance but partners with organizations to capture them.

“At the end of the day, it is about the financial improvement. However, the other great thing is that now we have comprehensive management systems, our success does not rely on one or two key individuals,” one of our clients, a Southeastern U.S. forest products company, said.

As this shows, Pöyry’s experience working in North America and Europe is highly positive. Another example is America’s largest sawmill, Roseburg Forest Products (RFP) in Dillard, Oregon, where Pöyry helped design and implement a total product value system aimed at harmonizing two of RFP’s most valuable assets: its timber and its expert sales team. Talking about reasons for having engaged Pöyry, Jeff Thompson, Dillard sawmill plant manager, said: “We have made significant investments in our equipment in recent years, and we have a world-class mill, and now it is time to invest in our people and management processes to ensure we are capturing all of the opportunities available from this equipment. We decided that Pöyry’s approach would be the best way for us to know where and how to pursue such opportunities”.

Unlike their rivals in North America and Europe, Russian mills still tend to believe that acquiring state-of-the-art equipment and penetrating new markets with new products are the most important steps toward success, remaining skeptical about external consulting services, especially in the operational excellence field. Why is it so?



Any developing market emphasizes extensive growth with little if any attention paid to how internal resources are spent. Optimization and operational excellence are always secondary matters in growing markets because priority is given to obtaining production capacities and accompanying sufficient raw materials volumes to cover the growing demand. But as the corresponding market becomes more competitive (as it must), the more urgent the question of how efficiently machinery is utilized rather than simply having the quantity of equipment becomes central to success.

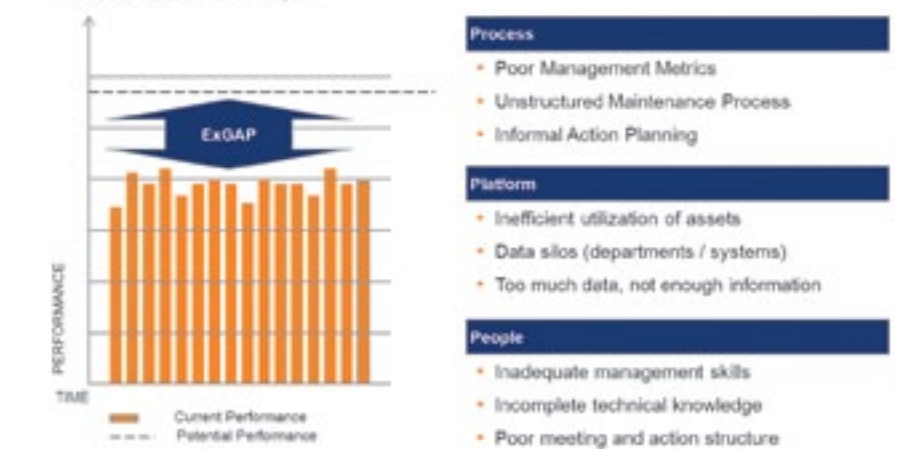
Another critical factor is the carryover from the Soviet and transition (post-Soviet) periods. Mills have been under-capitalized for many years, hence, managers and engineers, seeing that their Western counterparts are much better equipped, are tempted to believe this is the key to success. Anxious to make their capacities more relevant to the contemporary environment, mills in Russia are pushed into the intoxicating world of “big boys’ toys”, where the mindset of winning by acquiring the best machinery rules the game. Modernization is indeed badly needed but sophisticated equipment alone will hardly help if effective operational practices are not in place. At a time when Western mills refine what has long ago been established, Russian managers are still endeavoring to learn and install the basics.

The former Soviet philosophy of avoiding unemployment at any cost resulted, on the one hand, in a mass of poorly trained workers operating cheap and simple equipment and, on the other, in an army of engineers who used their time to develop the required holistic approach to mill operations while concurrently refining their technical knowledge. Russian mill managers prefer to rely on such internal expertise in their attempts to improve production processes. It is a rare occasion where one does not find a “guru” in Russian mills, whose presence at the mill or office might no longer mean actual engagement in work but instead serves as an emergency back-up: he/she knows the business inside-out and thus helps to resolve complicated technical or managerial situations.

Sometimes, depending on the actual state of affairs within the company, such person can become the busiest worker in the mill, having to oversee numerous issues, for example from spare-parts procurement to fine-tuning the various process operations. Even if the management of the mill recognizes this dependency as a weakness, the difference between internal and external “expertise” is so striking that any attempts to bring in new practices from outside often fail from the start, rejected by the internal expert(s) who simply cannot trust a consultant. How is it possible, these managers ask, that such intruder, initially possessing inferior knowledge

WHAT CAUSES THE EXGAP?

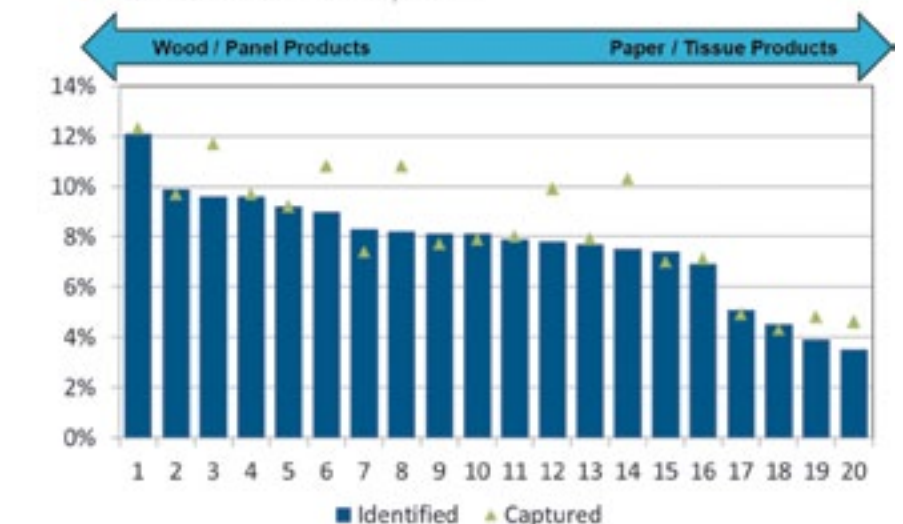
• The roots of the ExGAP lie in the three fundamental components of operations management – Process, Platform and People



Typical Financial Impacts

The opportunity is significant:

• 5% - 12% of revenue in wood products





of the mill while claiming to be capable of both identifying and assisting in the identification and implementation of improvements, can be of value?

Russian mills, especially large ones do not change readily. They are generally less liable to change than companies in Europe or North America because they are not subject to the same geographical environment or social forces. Sitting in the remote regions of the world's largest country, Russian mills have had to deal with the same people for decades, many of whom are reluctant to change: any changes represent a threat because they undermine the guru's individual stake within their organizations and the skill sets that saw them promoted in the past. Moreover, the threat posed by change to low-skilled workers is viewed as life-altering since altering labor duties and levels in such remote locations always precipitates significant social tensions.



Relocating and re-training blue collar personnel in Russia is much more difficult than in Europe, due to the country's unevenness in economic development and the hugeness of its mostly uninhabited territory which is heavily based on mono-cities where the majority population depends on a single enterprise. Although some moves have worked to some extent (encountering managers with English language skills or an MBA degree is no longer rare occasion), big mills in Russia have never, at least until quite recently, managed to impose real change or even to get the pace of organizational modernization out of first gear.

It is a pattern seen at many (not all, of course) facilities within the Russian forest products industry: pulp-and-paper, sawmills, wood-based panels, etc. With any product and at almost any capacity, the pattern stands unabated.

Conversely, at foreign mills any such "one-man show" approach being the cornerstone to a mill's prosperity is regarded as a sign of poor management and lack of proper delegation of responsibility. And given the level of overall development in the West, the social obligations associated with remote Russian mills are not easy to grasp by those unfamiliar with such locales. Conflicting viewpoints result with a Russian mill manager expressing admiration for Western standards and practices along with his aims to establish similar procedures, while at the same time subconsciously clinging to the mantra that his mill cannot survive without a person who knows everything and without being an industrial and social stronghold in the region.

The typical attitude of a Russian mill's managers towards consultants is more than skeptical: they often ask "What can we expect from them after just three days at the mill, whereas we have spent some thirty years here?" What mills in Russia are missing is the fact that it does not really matter how many years one has spent at a mill. It is how many mill layouts one has seen in his/her life and with what purpose that matters. Mill longevity cannot replace broad industry experience and exposure along with the understanding that comes from defining and implementing numerous operational solutions.

More to the point, for Russians an "ideal consultant is someone who can invent something tricky, something to lessen everyday effort while boosting the profit". Whereas in Europe and North America, the "ideal consultant" is arguably someone who would help a facility "to work more intelligently and efficiently, so that not a single minute is wasted, thereby giving even more value to every minute of every day."

Applying the aforementioned issues to customer expectations in dealing with consultants and toward Operational Excellence projects indicates that such consultant(s) is/are expected to be the equivalent guru, yet with an even broader experience and a wider picture in mind. The overriding precept of a results-oriented foreign consulting team – the mill is a profit-making enterprise rather than a purely manufacturing one – is thus fascinating for the Russian mill's management, creating a fresh breeze full of hints about future opportunities. But then – under Russian eyes – this view quickly translates to "a prison with even stricter rules".

Both sides are learning to adapt. And such adaptation – by both sides – will define future leaders in the field.

Alexey BESCHASTNOV,
Bella KHRAMOVA,
Pöyry Management Consulting

POLYTECHNIK®

Biomass Energy

**The Austrian company "Polytechnik
Luft- und Feuerungstechnik GmbH"**

is one of the most important suppliers of firing systems for biogenic fuels in the timber industry, and is famous for planning and providing turnkey systems and installations. The current export rate is about 98 % worldwide.

The company offers these firing systems in a performance range from 300 kW – 30.000 kW (individual boiler output). Depending on the type and water content of the fuel, a variety of firing systems are used (underfeed system, underfeed-burn-out grate, and hydraulic grate system), with media carriers being warm water, hot water, steam, or thermal oil.



The systems can be used for heating and process heat as well as for power generation (steam and ORC process). The performance range extends from 200 kW to 20.000 kW of electrical power (current).

More than 2,600 Polytechnik systems are already in use worldwide. In the timber and wood industry, Polytechnik suction extraction systems, filters, spraying chamber equipment, shredders, and spark quenching systems also have a fine reputation for quality. In other sectors of industry, as well as in the public domain, as well as firing installations and combined heat and power systems, local and district heating systems are also provided, while the company's worldwide service network ensures that the best possible customer service is provided rapidly.

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World Trade Organization (WTO) Rules and Russian Forestry Policy

The Russian Federal Law No 126-FZ “On Ratification of the Protocol on the Accession of the Russian Federation to the Marrakesh Agreement Establishing the WTO on April 15, 1994” was signed on July 21, 2012. Russia became the World Trade Organization’s 156th member on the thirtieth day following this notification.

The long negotiation process that preceded Russia’s accession to the WTO should have prompted Russian business to prepare for adjustment to WTO rules. In reality however, such conditions have not been put in place as a result of the following factors:

- the nearly 18 years of persistent negotiations before Russia’s WTO accession pushed the matter beyond economics to become purely political, and thus raised mistrust in the apparently endless and political nature of the process;
- ongoing internal discussions about the negative consequences of WTO accession (the role of a raw materials inventory, degradation of local manufacturing facilities, etc.);
- quickly changing domestic and foreign economic policies of Russia were inconsistent with WTO rules (the imposition of trade barriers and increased export duties for unprocessed round-wood, etc.);
- the government had no plans for restructure industries upon WTO accession.

The Kremlin advocated WTO accession and asserted that it would have positive impacts on Russia. Those assertions, however, were mainly political and unsupported by financial feasibility studies. As a consequence of the above factors, Russian business did not believe in the successful outcome of the negotiations toward WTO accession and failed to prepare properly for it.

LOSSES AND BENEFITS

Let us have a quick look at visible strengths and weaknesses brought about by the accession to the WTO for the Russian economy. The official financial feasibility study of the WTO accession law reports that Russia is obliged to pay an entrance fee of 175-200,000 Swiss francs from the federal budget and further annual fees. However, according to International

Monetary Fund, Russia’s share of global trade in 2010 was 1.8%. Therefore, the annual WTO fee will be about 3,530,000 Swiss francs.

Also, if Russia meets obligations related to WTO membership, federal budget revenues will be down due to reductions in import and export duties. According to the estimates made on the basis of 2007-2011 foreign trade statistics and a calculation of average customs duties, the loss of revenue will approximate 9 billion US dollars.

On the other hand, according to the Russian Ministry of Economic Development and Trade (MEDT), WTO membership will bring a number of benefits to the Russian Federation. For example, as to foreign trade, economic operators’ benefit from facilitated customs procedures is 900 billion dollars. According to the Organisation of Economic Cooperation and Development (OECD), for Russia such benefit may equal 18 billion dollars. The amount of predicted decrease in state budget revenues may be compensated in full or in part by the predicted increase of the volume of trade between Russia and WTO members, the feasibility report says.

Subject to the World Bank estimates, Russia’s accession to the WTO will bring about and increase of 3.3% in GDP in a year and up to 11% in GDP (about 162 billion dollars) in ten years owing to the positive influence on the investment climate. Russia will receive revenues every year and all regions will gain advantage from it. Nevertheless, the regions able to attract direct investment will be the most successful. The World Bank expects the North-West and the Far East to benefit the most.

According to MEDT estimates, the elimination of trade barriers for Russian exports after accession to WTO will create up to 40,000 jobs in the country. The maximum amount of duties for products will be down by 330% to 30,000 rubles (from 1,000,000 rubles); Russian and imported products will be taxed following a uniform procedure starting from the date of accession.

Lower living costs accounted for by cheaper domestic and imported products being the result of eliminated trade barriers after Russia’s accession to the WTO are an obvious benefit, MEDT reports. It is not only imported goods that will become cheaper but also Russian-made products including, in particular, those which contain imported components.

The direct budget loss incurred as a result of Russia’s accession to the WTO may total 188 billion rubles in 2013 and 257 billion rubles in 2014. However, the actual losses will be less thanks to the increased foreign trade and increases in the taxable base and duty collectability, according to earlier statements made by the Minister of Economic Development and Trade of Russian Federation.

FORESTRY SECTOR

Like any other economic process, Russia’s accession to the WTO may not be purely positive or negative. Despite the declared target of trade liberalization, any government will do its best to protect domestic trade relations. Russia’s opportunities as of the date of jointing the WTO suggest the following measures to support the national forestry sector (it should be recognized that the list of measures is short):

- lowering taxes on forestry businesses during the payback period;
- lowering lease payments by 50% for the payback period of priority forestry development projects;
- compensation for interests paid on credits;
- duty-free import of equipment;
- VAT relief on equipment which is not manufactured in Russia.

Polls of forestry workers’ opinions show that only 6% of the respondents expressly approved of WTO accession. Interviews with the representatives of industrial circles reveal that businesses have no idea what the goals and targets of this non-commercial organization are.

Despite WTO accession negotiations, domestic forestry and economic policy during the previous 10–15 years was oriented at the targets contrary to the rules of the WTO. Trade barriers were erected, and export duties for roundwood were gradually increased as a measure to stimulate integrated timber processing in the country. The government maintained control of stumpage pricing.

The forestry sector failed to create conditions for developing a competitive edge. The governmental agencies continue to put tough pressure on forest leaseholders and timber producers. Complicated and time-consuming procedures for agreeing forest use and construction of new woodworking facilities in governmental bodies are still in place.

In addition, Russian forestry policy focused on attracting capital to the national forestry sector and ignored the possible consequences of WTO accession. In particular, for priority investment projects (since 2007), a 50% decrease in lease payments and the auction-free allocation of forest

plots were granted by the government. This economic scheme has already raised about 12.25 billion Euros which was used to build several timber processing plants oriented at Russian raw materials and current rules and regulations: taxes, export duties, prices, costs, etc., without taking into account the impacts of WTO accession. The future of these priority projects and other facilities, mainly pulp-and-paper mills, gives rise to concern.

As a result of gradual increases in export duties for roundwood, initiated by the Russian government, the export of unprocessed timber for the years 2006–2009 fell by more than 100%. However, this measure did not stimulate the growth of domestic timber conversion as expected but causes negative impacts: the decreased export of roundwood entailed the reduction of the budget revenue from taxes and duties. The volume of harvesting in Russia has remained low for the last 18 years (150–180 million m³, which is 25% of AAC – annual allowable cut).

Russia’s WTO accession will affect and is already affecting the Russian forestry sector. Firstly, export duties on spruce roundwood have already been reduced to 13%, and on pine roundwood to 15% (previously, the duty rate for both species was 25%). This rate is fixed for the years 2012–2013. Then, the Russian government approved Resolution No 779 of July 30, 2012, establishing the procedure and regulation for the export of pine and spruce timber. According to this document, the Federal Forestry Agency (FFA) shall submit to the Ministry of Industry and Trade a list of organizations having no debts to the federal budget, i.e. entitled to export the above species not later than August 10 each year.

The new export duties only apply to the established annual quotas. Tariff quotas for the export of Norway spruce (*Picea abies*) and silver fir (*Abies alba*) will go up three times to 6,246,200 m³ from 2013 onwards. In particular, the quota for products to be delivered to the European Union will increase to 5,960,600 m³ and 285,900 m³ for other countries. The quota for Scotch pine (*Pinus silvestris*) will also grow to 16,038,200 m³. For EU members states, the export quota in 2013 will be 3,645,900 m³, for other countries it will be 12,392,300 m³. Higher duties will be applied to wood exported outside these quotas.

The export duty for birch roundwood irrespective of its diameter is now 7%, and for aspen it is 5%. There are no quotas for hardwood lumber.

The tariff quotas are distributed via one-time licenses issued by the Ministry of Industry and Trade. The licenses are issued to forest leaseholders who have no arrears or private companies having an agreement of sale for pine and spruce with the leaseholder.

It is noteworthy that accession to the WTO will not critically limit forest use and timber processing. The quotas will allow Russian companies prepare and decide the amounts, the buyers and the places of delivery of the roundwood. In other words, no drastic changes in the operation of timber enterprises are expected in the near future. The reduced customs duties mean additional financial opportunities for implementing business plans.



When it comes to timber processing, this sector will face different challenges. First, protective import duties for various papers, furniture and wood-based products will sooner or later be brought into compliance with WTO rules which will boost the competition in the markets of these product categories on the Russian market. Cut-throat competition will result in the closure or reduced production of domestic enterprises whose productivity is much lower than that of foreign enterprises. Moreover, many timber processing facilities in Europe are underused and, therefore, we may logically deduce that their products will rush to our market. Russia's WTO accession worries even those local producers which are fully or partially owned by foreign timber corporations.

Secondly, international car makers are actively conquering the Russian market by creating "screwdriver" enterprises. The same scenario is predicted for the forestry machinery sector, accompanied by the lowered import duties for such products. As a result, the activity of huge transnational machinery corporations on our market will surge and their products will become more accessible. Most likely, this will be a knockout blow for most Russian producers of forestry machines.

CONCLUSIONS

Let us summarize multiple discussions and expert statements on the expected outcomes of Russia's WTO accession for the forestry sector.

Positive impacts:

1. Open access to regional timber markets for makers of foreign high-tech forestry and processing machines and equipment that have no equivalents in Russia, fostering the refurbishment of production facilities and resulting in higher quality products.
2. Facilitated access to foreign markets for Russian loggers and timber producers.
3. More transparent and facilitated customs procedures, common customs assessment methods, shorter and simpler customs documentation.
4. Harmonisation of Russian technical regulations, standards, methods of measuring roundwood and quality assurance in compliance with international systems.
5. Equal conditions for access to international timber markets based on predictability and the stable development of trade with WTO member countries.
6. Harmonisation of foreign timber trade legislation with the legislation of other WTO member countries.
7. Lower import duties for chemicals, equipment, materials, accessories and spare parts for the timber industry entailing reduced investment and operational costs of timber enterprises.
8. Stabilisation of the Russian legal framework.
9. Market clean-up with the replacement of complicated and corrupt schemes by clear and transparent mechanisms for controlling compliance with the environmental legislation.

Negative impacts:

1. Decreased import duties for finished products (paper, cardboard, etc.) will aggravate the destructive competition between Russian producers and bigger and stronger foreign companies; the market will be flooded with foreign-made products. This will inevitably halt uncompetitive plants and cause increased unemployment and reduced tax revenues for local budgets. In order to stay afloat, a company will have to be effective and flexible, having strategies and the necessary financial muscle, favouring, first of all, big businesses. In the meantime, many medium and small companies will find themselves on the edge of collapse.
2. Temporary deficit of raw timber for regional timber processing and pulp-and-paper mills as a result of lower export duties and the shift of timber flows to export (enhancement of export-oriented raw timber sector).
3. Shrinkage of PPMs' production, timber processing, output of wood-based products.
4. Retarded development of certain settlements whose survival depends on backbone plants.
5. Possible temporary reduction in per capita income.
6. Collapse of the domestic forestry equipment engineering (as a result of low import duties for equipment and accessories).
7. Increasingly high prices for raw materials expected by timber producers.

According to the analytical calculations made by the New Economic School (NES) and some companies, out of all sectors of national economy, the forestry sector will suffer the most as a result of WTO accession. Manufacturing output will register a significant fall. The total figure will be about 6.8%, with output declining in the Far East by 25.6%, in the North by 5.6% and in the North-West by 6.7%.

Accession to the WTO will make governmental bodies take more predictable decisions regarding economic and forestry policy. However, neither business nor officialdom is ready to play by WTO rules due to the lack of reliable information on the positive and negative impacts of Russia's WTO membership.

In addition, the economic model of the Russian forestry sector is to be transformed as a result of accession to WTO, having negative rather than positive impacts i.e.: a predominance of raw timber production in some regions and the decline of PPMs and wood products manufacturers in the years to come.

*Elena SHUMEYKO and Oleg PRUDNIKOV
based on materials provided by NP SRO Leznoy Soyuz*



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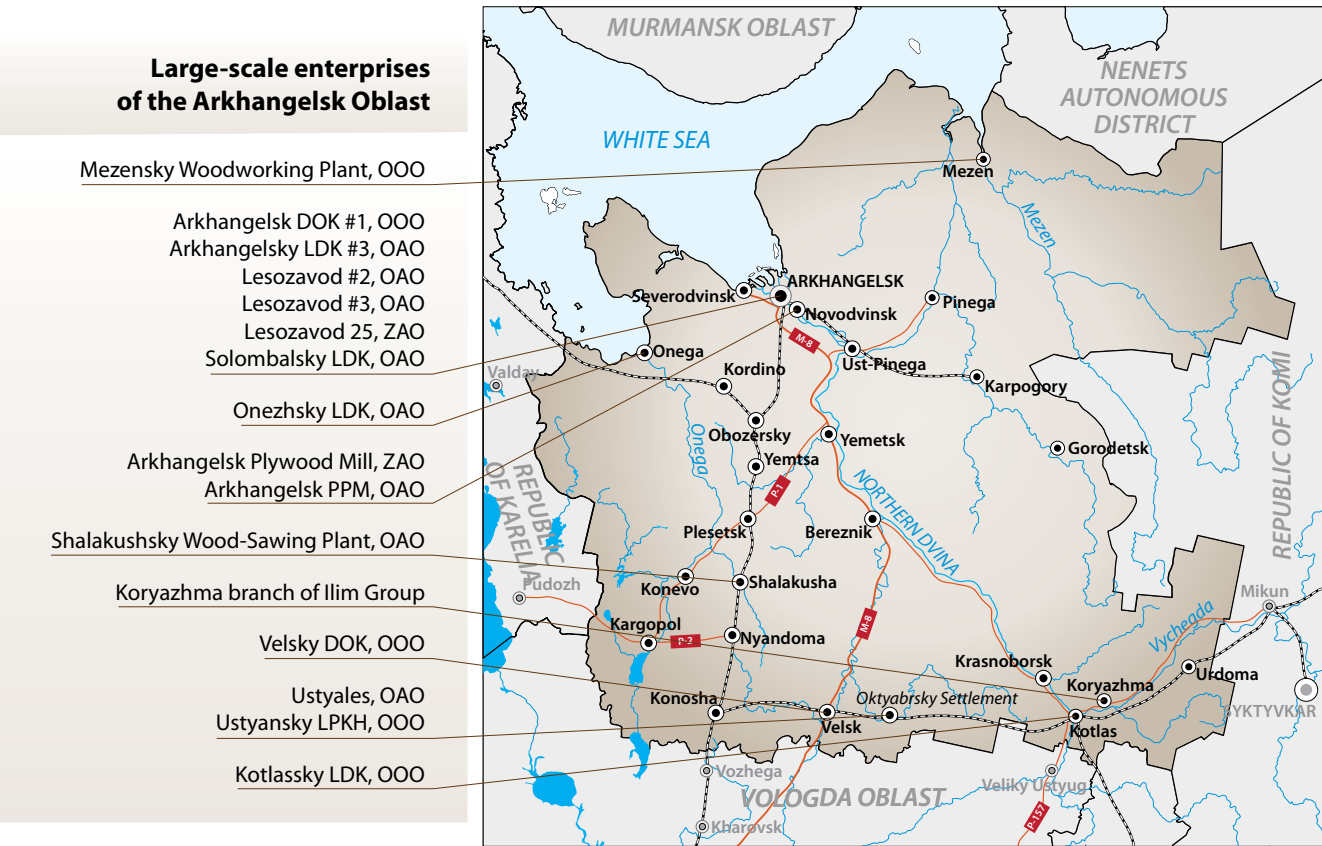


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On foto: Maymakskiy department of Lesozavod 25, Arkhangelsk, 2011

North Coast Forests

The Arkhangelsk Oblast possesses premium quality forests, 80% of which is coniferous stock. And the balance between timber harvesting and processing is maintained more effectively in this region than in any other in Russia.



The Arkhangelsk Oblast located in the north of European Russia, belongs to the North-Western Federal District and the North Economic Region.

Cape Fligely (the northernmost point of Russia, Europe and Eurasia) and Cape Flissingsky (the easternmost point of Europe) are both located in the oblast.

The Arkhangelsk sea coast stretches more than 3,000 km and encompasses three Arctic seas – the White Sea, the Barents Sea and the Kara Sea.

The region covers 587,000 km² and is the largest territorial entity in European Russia. Its population, however, is relatively low – just 1.3 million people, out of which 1 million people live in urban areas.

The city of Arkhangelsk, lying around the estuary of the Severnaya Dvina River, is the administrative centre of the region. Its population numbers 348,000 people, while other large cities include Severodvinsk, Kotlas, Novodvinsk, and Koryazhma.

NATURE

The Arkhangelsk Oblast is rich in rivers, dense forests, lakes and picturesque landscapes.

The longest rivers are the Severnaya Dvina, Onega, Mezen, and Pechora. They all empty into arctic seas and, therefore, belong to the Arctic Ocean basin. There are more than 70,000 large and small rivers with an aggregate length of 275,000 km. The region has about 2,500 lakes with the largest being Lake Lacha, Lake Kenozero, and Lake Kozhozero.

Nearly half the region is classified as northern and middle taiga, and the Pinezhsky Nature Reserve, and the Vodlozersky and Kenozersky National Parks are located here.

CLIMATE

The tough climate of the region, characterized by long, cold winters (up to 250 days) and short cool summers, is determined by the proximity of the Arctic seas and the long distance from the warm currents of the Gulf Stream. However, there is a large amount of variability in the weather in different parts of the region, and it is crossed from north to south by three climatic zones classified as Arctic, sub-Arctic and moderate zones.

The average temperature in January is –12 °C in the west and –18 °C in the east; the average temperature in July is +16 °C in the south and +8 °C in the north. Precipitations vary between 300 and 500 mm per year. The vegetation period varies from 50 days in the north to 150 days in the south.

The north-eastern part of the region is covered by permafrost.

Timber Industry 2011 Report

Indicator	Unit of measurement	2011	2010	2011, in % change from 2010
Timber harvest				
Timber harvest	thsd m ³	11,778	11,280	104.4
Round wood	thsd m ³	8,415	8,218	102.4
Coniferous and deciduous round wood	thsd m ³	7,572	7,371	102.7
Production index (against the same period of the previous year)	%	101.8	108.0	
Compared to RF timber industry	%	103.1	109.5	
Wood processing and manufacture of timber products				
Lumber	thsd m ³	1,673	1,555	107.6
Glued plywood	thsd m ³			112.8
Production index (against the same period of the previous year)	%	123.6	100.1	
Compared to RF timber industry	%	104.0	111.4	
Production of cellulose, pulp, paper, cardboard and products				
Wood cellulose	thsd tons	2, 119	2, 100	100.9
Market cellulose	thsd tons	756	742	101.9
Paper	thsd tons	307	286	107.1
Cardboard	thsd tons	979	982	99.7
Production index (against the same period of the previous year)	%	101.4	104.1	
Compared to RF timber industry	%	101.8	105.9	
Financial and economic indicators				
Volume of shipped products from wood processing enterprises	mln rub.	52,963	48,701	108.8
Share of products from processing enterprises in the total volume of products shipped (Nenets Autonomous District is not included)	%	53	52	102
Balanced financial result	mln rub.	8,472	8 507	99.6
Average staff	persons	25,958	26,539	97.8
Average salary	rub.	20,211	17,076	118.4

Source: Arkhangelsk Oblast Government

MINERAL RESOURCES

Forests are certainly the main assets of the Arkhangelsk Oblast. Its value is ensured by its domination by conifers, mostly pine and spruce, which account for 80% of the total stock. The remaining 20% is made up of birch and aspen.

The region is rich in mineral resources. More than 1,500 mineral deposits have been discovered and explored. The Nenets Autonomous District has well-developed production facilities for the extraction and processing of oil and gas. The Plesetsk district produces bauxite. There are coal deposits, huge deposits of peat, gypsum, limestone and anhydrides.

European only diamond field was discovered in the region in 1980 and has been actively developed since then. More than 60 diamond streams and

other minerals making up diamond fields have been identified.

Deposits of manganese and polymetallic ores have been explored in Novaya Zemlya. There are deposits of dolomites, cement rock, sands, structural stones, clays and fusible loams.

TRANSPORT

The transport infra-structure in the Arkhangelsk Oblast is not dense. Nevertheless, it is possible to combine available means of transport to allow different types of passenger and freight transportation.

The total length of local hard-top roads is 7,230 km; the road density is 11.4 km per 1,000 km². The region is crossed by the M8 “Kholmogory”

Industrial production structure of Arkhangelsk region

- processing – 75.6%;
- power generation, gas and water production and distribution – 22.3%;
- mineral resources extraction – 2.1%.

Source: Arkhangelsk Oblast Government

federal highway (from Moscow to Arkhangelsk via Yaroslavl and Vologda) which has links to other key roads in Russia.

The main railway takes the Arkhangelsk-Moscow route (the “Northern Railway”). The total length of regional railways is meanwhile 1,760 km; the railroad density is 3 km per 1,000 km².

The region has three big airports in Arkhangelsk, Kotlas and Naryan-Mar.

The deep and wide Severnaya Dvina River and its tributaries make up the major regional water transport system, which is mainly used locally. The aggregate length of navigable waterways is 3,800 km.

Sea communications play a crucial role in the transport system and foreign trade in the region. The Arkhangelsk sea port is the oldest port in Russia. It is the northern sea gate of the country through which most local freight is transported. The cities of Onega and Mezen also have sea ports.

INDUSTRY

The Arkhangelsk Oblast is traditionally oriented toward the timber harvest and wood processing.

It produces one third of all Russian pulp and one fifth of all the nation's cardboard.

The second biggest industry in the region is machine-building, mainly for the defence industry.

Economic growth in the region is driven by the construction industry and the developed infrastructure of commercial harbours. The main industrial hubs of the region are Arkhangelsk, Severodvinsk, Novodvinsk, Koryazhma, and Onega.

The fishing industry has traditionally been a major source of employment for the local population. The region accounts for 20% of the total catch in the northern basin.

Agriculture is represented mainly by dairy farming and potato growing. Deer farming, fur farming, trapping and sealing are also customary businesses for the north.

Additionally, the Plesetsk Space Centre is located near to the city of Mirny.

According to the regional government, joint ventures are the most common form of investment structure. Today, the region has 119 companies supported by foreign capital investment and 28 foreign-owned firms. Their core activities

are metalworking, timber harvesting and processing, trade, freight forwarding, international transportation, fishing and agricultural production.

FOREST ESTATE

The Arkhangelsk Oblast accounts for one-quarter of the timber stock of North-Western Russia (about 2.5 billion m³ of standing timber).

The forested area of the region is 28,479,100 hectares. Forested areas decrease from north to south, i.e. from 90% in the middle taiga district and 76% in the northern taiga to 48% in the pre-tundra districts.

The best and most durable timber grows in the vicinity of the White Sea. The local forest owes its uniqueness to the severe local climate. The further one travels from the sea, the milder the climate becomes. Thus, the Arkhangelsk Forest might be called “the White Sea Forest”, and its timber has become famous in Russia and abroad for being one of the best, densest and most durable structural materials available anywhere.

Local forests are dominated by spruce (49% of the forested area), pine (27%), birch (22%), and aspen (1%). Minor species (larch, fur, cedar, grey alder, black alder, willow etc.) account for 1% of the forested area.

Despite the predominance of conifers, the composition of the local forests may not be considered natural. Clear-cut areas are, as a rule, colonized by softwood, broadleaved stands. If the spruce undergrowth is left, the secondary forest receives the lower storey of spruce but remains dominated by deciduous species. The rate of shrinkage of spruce forests inversely correlates to the speed of deciduous forest expansion; i.e. 0.3% a year.

According to the State Forest Registry, the forest estate is divided into 28 “lesnichestvy” (forest management administrative units or FMAUs) and the Siysky Forest Park. The register does not cover national parks and the Nenets FMAU which have an aggregate area of 926,000 hectares. The newly created FMAUs include 1,710,000 hectares of former agricultural forestry land. However, this is not the only source of forest. The total area of the forest estate was increased after the Verkhnetoemskoye, Viyskoye and Bereznikovskoye FMAUs were added and recorded in the State Land Registry, and included more than 30 former agricultural forests. The expansion of the forest estate is accounted for by non-forest lands which had not earlier been referred to in calculations of agricultural forests. With more precise calculation methods, the forested area of the region grew by 93,000 hectares in the last year.

The approved AAC rate for the year 2012 was 23.7 million m³, including 15.6 million m³ for coniferous

species. The actual cut was 50% of the AAC rate.

In recent years, the coniferous timber harvest volume has not exceeded 8 million m³ of merchantable wood per year, and 80% of timber products come from spruce forests. The annual spruce timber harvest volume totals 5-7 million m³, which is twice as much as the annual increment. This figure in itself does not require that the volume of harvest be cut, but explains why the coniferous stock is being reduced even if only one half of the AAC is used.

On the other hand, broadleaved forests demonstrate increment which is seven times more than the volume of the harvest provided that only 30% of AAC is used. Thus, the regional authorities are making efforts to develop technologies for hardwood use and integrated processing.

The forests of the Arkhangelsk Oblast are of global importance because they contain the last large undisturbed taiga areas in Europe. There are 14 large undisturbed stands with an aggregate area of 9.3 million hectares (23% of the total area of the region and 32% of its forested area).

The forecast for forest development in the years to come is as follows: the actual harvest is expected to reach 55% of AAC, while that in leased forest areas is some 65 to 70%.

TIMBER INDUSTRY

Nearly 80% of the forested area of the region is made up commercial forests that feed the processing industry.

According to experts, the structure of timber harvesting and local processing is quite balanced in comparison with the other regions in Russia. This balance was achieved during the Soviet era when the logging, woodworking and paper industries were developed proportionally as part of the operation of local industrial group Arkhangelsklesprom. The science-based planning system of the Russian and regional timber industry

was however destroyed with the advent of the market economy following the collapse of the Soviet Union. Nevertheless, the Arkhangelsk Oblast retained highly qualified managerial staff during this transition which is now trying to maintain the balance. For example, regulatory acts limit the transportation of commercial timber outside the region and offer local processing opportunities. There is still a shortage of raw timber but this is being compensated for by supplies from adjacent forest-rich regions.

The volume of commercial timber consumed by local processing enterprises approximates 14 million m³ per year (while the local harvest is only 8 million m³).

Pulp-and-paper products account for the greatest part of the total number of timber products shipped. This is not surprising. The three largest Russian PPM are located in the region: the Arkhangelsk, Solombala and former Kotlas PPM (now a subsidiary of OAO Ilim Group). Their aggregate consumption exceeds 9 m³ of wood.

In addition, the region is one of the top Russian producers of lumber. Lately, the volume of production has approached 2 million m³ of high-quality spruce and pine products.

Abundant forest resources and a favourable geopolitical location with direct access to sea trade routes have helped the region to become a top player in the foreign timber trade. Local timber products are exported to 76 countries, and the geographical scope of export is expanding. Major importers of Arkhangelsk forest products include Belgium, Great Britain, Hungary, Germany, Iran, Ireland, Lithuania, the Netherlands, Poland, Slovakia, France, and the Czech Republic.

According to data from the regional customs office, timber products accounted for more than 50% of regional exports in 2010. These included cellulose (21% of all exports), edged timber (18%), and paper and cardboard (13%).

Many experts think that the development of the regional timber industry is hindered by its export orientation. In any case, enterprises oriented at European markets had a hard time during the global financial crisis. Firstly, the crisis hit the local sawmills which had been exporting 80% of their output. Thus, regional timber companies face the challenge of diversification and expansion into new markets, including those in Russia.

Taking into account changes in the composition of forests and the gradual growth of the share of deciduous species as a result of harvesting, the regional forestry department says that the timber industry should focus on creating hardwood processing enterprises to output particle boards, plywood, etc.

Bioenergy with a focus on manufacturing wood pellets is another promising route for advancement of the local timber industry. According to information from the regional forestry department, forestry activities produce 5 million m³ of woody debris, bucking and milling waste annually. More than 2 million m³ of waste are accumulated on cut overs and primary processing sites. Large-scale pellet mills can help solve this issue.

Certainly, the timber industry cannot ignore issue of forest roads. This is a common problem in almost all forested regions, and the Arkhangelsk Oblast is no exception. Harvesting operations are shifting to parts of the region that lack the necessary infra-structure. The government is ready to help solve the transportation issue by allocating relevant funds from the federal and regional budgets annually. These funds, however, are insufficient even to ensure fire safety in forests, to say nothing of meeting the expectations of the leaseholders. This is the reason why large holdings are building forest roads on their own account in areas leased for up to 50 years. Small and medium businesses can do nothing but put up with existing weak transport infra-structure.

Prepared by Yevgenia CHABAK

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Maymakskiy department of Lesozavod 25, Arkhangelsk, 2011

Enterprises of the forestry industry of the Arkhangelsk Oblast

Name	Activity	Address	Contacts
Abramov V.A., I.P	Lumbering. Wood-sawing: saw timber	164144, Arkhangelsk obl., Kargapolsky rayon, d. Tobolkino, PO Pesok	Tel. +7 (81841) 4-12-34 uhta-les@bk.ru
Ageev V.V., IP	Lumbering	164610, Arkhangelsk obl., Pinezhsky rayon, pos. Pinega, ul. Kudrina, 100, kv. 1	Tel. +7 (911) 551-42-90
Agro-Industrial Company, 000	Lumbering	164224, Arkhangelsk obl., Niandomsky rayon, der. Makarovskaya, ul. Naberezhnaya, 6	Tel.: +7 (81838) 5-12-31, +7 (921) 295-07-26 apk-mosha@yandex.ru
Akentjev A.A., IP	Lumbering. Wood-sawing: saw timber. Wooden house construction: timber houses	165103, Arkhangelsk obl., Velsky rayon, s. Pezhma, ul. Levaya, 15	Tel.: +7 (921) 4-88-22-76, +7 (81836) 5-83-74 artem.akentev@rambler.ru
Aljansles, 000	Lumbering. Wood-sawing: saw timber	164110, Arkhangelsk obl., Kargopol, ul. Leningradskaya, 63	Tel. +7 (81841) 2-22-90 alyans@atnet.ru, alyansles2010@yandex.ru
Al. Ver, 000	Wood-sawing: moulded strips. Wooden house construction: houses from round log, and frameworks	163016, Arkhangelsk, pr., Leningradsky, 443, str. 1	Tel. +7 (8182) 65-87-12 alwer13@yandex.ru, www.alwer.net
Amatis, 000	Lumbering. Wood-sawing: saw timber	164900, Arkhangelsk obl., Novodvinsk, ul. Sovetov, 4, office 404	Tel.: +7 (81852) 4-92-88, +7 (960) 012-23-94 nwcom@atnet.ru
Arkhangelsk DOK 1, 000	Wood-sawing	163038, Arkhangelsk, ul. Dokovskaya, 6, korp. 2	Tel.: +7 (8182) 45-13-16, 45-14-67 arhdok@mail.ru
Arkhangelsk Furniture Plant, OAO	Furniture production: casegoods furniture	163030, Arkhangelsk, pr. Leningradsky pr., 311	Tel.: +7 (8182) 68-61-38, 61-07-04 oaoamf@atnet.ru
Arkhangelsk Plant of Soft Furniture, OAO	Furniture production: soft furniture	163015, Arkhangelsk, Leningradsky pr., 62	Tel. +7 (8182) 61-86-35 afmm@yandex.ru
Arkhangelsk Plywood Mill, ZAO	Woodworking: plywood	164900, Arkhangelsk obl., Novodvinsk, ul. Frontovikh Brigad, 14	Tel. +7 (81852) 5-12-00 info@arkpf.ru, www.arkpf.ru
Arkhangelsk PPM, OAO	Pulp-and-paper: cellulose, paper, and cardboard	164900, Arkhangelsk obl., Novodvinsk, ul. Melnikova, 1	Tel.: +7 (81852) 6-34-09, 6-32-02, 6-30-44, fax +7 (81852) 6-32-31 info@appm.ru, www.appm.ru
Arkhangelsky LDK 3, OAO (part of RusForest Management, 000)	Wood-sawing: saw timber	163026, Arkhangelsk, ul. Rodionova, 25	Tel. +7 (8182) 67-77-24, fax +7 (8182) 67-76-39 arh-ldk3@rusforest.com
Arkhbioenergo, 000	Bioenergy: wooden fuels briquettes	163025, Arkhangelsk, ul. Postysheva, 26	Tel. +7 (8182) 63-81-00, fax +7 (8182) 63-80-62 info@sawmill25.ru
ArkhLesKom, 000	Lumbering. Wood-sawing: saw timber, and moulded strips	165680, Arkhangelsk obl., Vilegodsky rayon, s. Ilyinsko-Podomskoye, ul. Kedrovaya, 5	Tel.: +7 (921) 479-77-77, +7 (921) 818-68-16 arhleskom@yandex.ru, www.oowlk.ru
Arko, 000	Lumbering	164262, Arkhangelsk obl., Plesetsky rayon, pos. Plesetsk, ul. Oktyabrskaya, 1 5	Tel. +7 (81832) 7-14-16 arko@atnet.ru
Arkos-M, 000	Furniture production: casegoods furniture. Wood-sawing: moulded strips	163060, Arkhangelsk, l. Popova, 14, pom. 204	Tel.: +7 (8182) 20-10-54, 43-12-11 arkos_m@mail.ru, www.arkos-m.ru
AvnyugaLes, 000	Lumbering	165511, Arkhangelsk obl., Verknetoemsky rayon, pos. Avnyugsky, ul. Severnaya, 33	Tel.: +7 (81854) 7-82-46, 7-82-31, fax +7 (81854) 7-82-71 avnygales@mail.ru
Azhur, 000	Wooden house construction: summerhouses, and verandas. Woodworking: fences	163000, Arkhangelsk, Leningrasky pr., 376, vlad. 1	Tel. +7 (921) 243-00-11 arh-besedki@yandex.ru, www.arh-besedki.ru
Babkin A.N., IP	Wood-sawing: moulded strips	164116, Arkhangelsk obl., Kargopolsky rayon, d. Lazarevskaya, ul. Beregovaya, 68	Tel.: +7 (81241) 6-23-10, +7 (921) 679-41-04, (921) 089-31-12
Bardeev A.V., IP	Lumbering. Wood-sawing: moulded strips, planed products, and saw timber. Wooden house construction: houses from solid timber	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Zavodskaya 5A	Tel.: +7 (81855) 5-15-72, +7 (921) 486-61-80 bardeev@atnet.ru
Belomorsk Floating Company, 000	Lumbering	163009, Arkhangelsk, pr. Leningradsky, 50	Tel.: +7 (8182) 62-89-20, 66-88-00, 62-90-87 bskomp@atnet.ru, www.titangroup.ru
Belomorsk Les, 000	Wooden house construction: frame wooden houses	163000, Arkhangelsk, ul. Voskresenskaya, 8 office 722	Tel. +7 (8182) 65-68-04 office@belomorles.ru, www.belomorles.ru
Bely Medved, ZAO	Wood-sawing: moulded strips. Woodworking: joinery workpieces	163039, Arkhangelsk obl., Primorsky rayon, Zelenoborsky promuzel #7	Tel.: +7 (8182) 45-13-45, 45-08-77, 45-13-35 wbusov@rambler.ru
Bereznikles, 000	Wood-sawing: saw timber	164571, Arkhangelsk obl., Vinogradovsky rayon, pos. Dvinskoy Bereznik, ul. Massiv Pridorozhniy, 2, korp. 25	Tel. +7 (81831) 2-21-05 les@denisovvp.ru

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Bobin V.A., IP	Lumbering. Wood-sawing: saw timber. Wooden house construction: log houses	165243, Arkhangelsk obl., Ustyansky rayon, der. Levo-Plosskaya, ul. Novaya, 1	Tel. +7 (81855) 7-33-40 victor.bobin@yandex.ru
Bobrovskoye, 000	Lumbering	163057, Arkhangelsk, ul. Dachnaya, 66	Tel.: +7 (8182) 27-24-64, 27-24-70
Bogolepov V.V., IP	Lumbering. Wood-sawing: wood chips	164132, Arkhangelsk obl., Kargopolsky rayon, der. Shiryaikha	Tel. +7 (981) 551-36-38 ipbogolepov@mail.ru
Bondaruk I.A., IP	Lumbering. Wood-sawing: saw timber	164110, Arkhangelsk obl., Kargopol, ul. Olonetskaya, 20	Tel. +7 (921) 485-28-59, +7 (81841) 2-27-95 bondarukigor@yandex.ru
Dammers, 000	Furniture production: furniture from solid wood. Woodworking: furniture shields	163015, Arkhangelsk, ul. Lenina, 29	Tel.: +7 (8182) 62-88-90, fax +7 (8182) 61-27-63 dammers@atknet.ru
Dereka A.A., IP	Lumbering	164010, Arkhangelsk obl., Nyandoma, ul. Sportivnaya, 12, kv. 12	Tel. +7 (921) 299-38-55 dereka72@mail.ru
Derevensky Dom (Piskovnin O.V., IP)	Wooden house construction: log houses	164500, Arkhangelsk obl., Severodvinsk, ul. Portovaya, 1	Tel. +7 (911) 565-11-12 DerevenckyDom@yandex.ru
Derevyannoye Domostrojenije Severa, 000	Wooden house construction: log houses	163000, Arkhangelsk, ul. Pomorskaya, 5, office 203	Tel. +7 (911) 580-69-90 info@domsevera.com, www.domsevera.com
Derevyannoye Zodchestvo, 000	Wooden house construction: houses from round log, and frameworks	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Zavodskaya, 25A	Tel.: +7 (8185) 55-25-06, 55-19-20 dz@atnet.ru, www.srub-dom1.ru
Dialog, 000	Lumbering	164260, Arkhangelsk obl., Plesetsky rayon, pos. Plesetsk, ul. Chapygina, 20/1	Tel. +7 (81832) 7-13-55 tokarevv@atnet.ru
Diftong, 000	Wood-sawing: planed products	164500, Arkhangelsk obl., Severodvinsk, ul. Konovalova, 1, kv. 44	Tel. +7 (921) 245-39-89
Dmitrievskiy LPH, 000	Lumbering	165262, Arkhangelsk obl., Ustyansky rayon, pos. Kizema, ul. Sportivnaya, 2	Tel.: +7 (81855) 3-11-70, 3-11-84, fax +7 (81855) 3-11-59 dmitrlpx@mail.ru
Dolgoborodov N.V., IP	Lumbering	165170, Arkhangelsk obl., Shenkursky rayon, s. Rovdino, ul. Lenina, 46	Tel. +7 (81851) 4-22-90 nikolai1963@rambler.ru
Dom Severa, 000	Wooden house construction: frame wooden houses, and houses from solid timber	164500, Arkhangelsk obl., Severodvinsk, ul. Sergo Ordzhonikidze, 9, office 22	Tel. +7 (921) 810-24-10 sewmol-viktor@yandex.ru
Dor Master, 000	Furniture production: casegoods furniture. Woodworking: doorsets	163060, Arkhangelsk, ul. Shabalina, 19, korp. 1, office 210	Tel. +7 (8182) 42-03-89 info@dmasters.ru, www.dmasters.ru
Drevkom (Ordin D.V., IP)	Wood-sawing: planed products	163002, Arkhangelsk, pr. Leningradsky, 23, kv. 198	Tel. +7 (911) 572-73-54 drevkom@inbox.ru
Dva Kita (Kuznetsov R.N., IP)	Furniture production: casegoods furniture	163046, Arkhangelsk, Obvodny Kanal, 15, korp. 3, kv. 2	Tel.: +7 (8182) 47-60-50, 47-60-52 dvakita2009@yandex.ru
Dvinlesprom, OAO	Lumbering	164558, Arkhangelsk obl., Kholmogorsky rayon, pos. Dvinskoy, ul. Komsomolskaya, 7	Tel. +7 (81830) 2-40-18 dvinlpx@rambler.ru
Ecoruspol, ZAO	Bioenergy	163000, Arkhangelsk, pr. Sovetskih Kosmonavtov, 37, kv. 1	Tel. +7 (8182) 20-38-99
Ecstroy, 000	Wooden house construction: houses from round log, frameworks, and bathhouses. Wood-sawing: saw timber, and planed products	163000, Arkhangelsk, pr. Sovetskih Kosmonavtov, 148, kab. 35	Tel.: +7 (8182) 28-66-82, 47-66-82, 64-26-65, info@ecstroy29.ru, www.ecstroy29.ru
Firma Les Wood, 000	Lumbering	164270, Arkhangelsk obl., Plesetsky rayon, pos. Oksovsky, ul. Torgovaya, 1	Tel.: +7 (81832) 6-61-00, 7-47-27, 6-61-10 skino@atnet.ru
FKU IK-14	Woodworking: joinery. Wooden house construction: houses from round log	165115, Arkhangelsk obl., Velsky rayon, der. Gorka-Muraviovskaya, spetsgorodok, 1A	Tel.: +7 (81836) 4-33-63, 4-33-67, 4-32-95 ik14@ufsin29.ru
Gladky S.V., IP	Lumbering	164610, Arkhangelsk obl., Pinezhsky rayon, pos. Pinyega, ul. Pervomayskaya, 11	Tel. +7 (911) 599-65-71
Globus-R, 000	Lumbering. Wood-sawing: saw timber	165150, Arkhangelsk obl., Velsk, p. Zelenij Bor, str. 30/5	Tel. +7 (81836) 4-11-24
Ilves, 000	Woodworking	163035, Arkhangelsk, ul. Dezhnevtshev, 36/1	Tel. +7 (8182) 29-59-87 ilves06@rambler.ru
Infа, 000	Wood-sawing: planed products	163026, Arkhangelsk, ul. Rodionova, 25	Tel. +7 (8182) 67-75-66 office@infaltd.ru, www.infaltd.ru
Interstroy, TD, 000	Wood-sawing: saw timber, and planed products. Wooden house construction: houses from round log, and frameworks	163059, Arkhangelsk, ul. Mostovaya, 14	Tel.: +7 (8182) 22-53-51, 23-32-10, 23-00-08, interstroy-arh@yandex.ru, www.interstroy-arh.ru
Kardinal, 000	Lumbering. Wood-sawing: saw timber, and moulded strips	163025, Arkhangelsk, ul. Pobedi, 43	Tel. +7 (8182) 63-83-21 arhcardinal@yandex.ru

Name	Activity	Address	Contacts
Kargopol Lespromkhoz, 000	Wood-sawing: moulded strips, and saw timber	164110, Arkhangelsk obl., Kargopol, ul. Melioratorov, 1, kab. 2	Tel. +7 (81841) 2-12-54 avangar@atnet.ru
Karpogoriles, 000	Lumbering	164600, Arkhangelsk obl., Pinezhsky rayon, s. Karpogori, ul. Lenina, 15A	Tel. +7 (818-56) 2-11-94 krplph@atnet.ru
Kenales, 000	Lumbering	164284, Arkhangelsk obl., Plesetsky rayon, s. Konevo, ul. Maminova, 24	Tel. +7 (81832) 4-52-47, fax +7 (81832) 4-52-64 kenales@mail.ru, www.solombala.com
Komandor, PK	Furniture production: casegoods furniture	163000, Arkhangelsk, ul. K.Libknechta, 8/1	Tel.: +7 (8182) 21-40-80, 21-40-87 komandor-arh@yandex.ru, www.komandormebel.ru
Konoshsky Leskhoz-Filial O AUGU Arkhobll es	Lumbering	164010, Arkhangelsk obl., Konoshsky rayon, pos. Konosha, ul. Sovkhoznaya, 17/1	Tel.: +7 (81858) 2-27-64, 2-23-27 konoshl@atnet.ru
Koryazhma Branch of Ilim Group	Pulp-and-paper: cellulose, paper and cardboard	165651, Arkhangelsk obl., Koryazhma, ul. Dybtsina, 42	Tel.: +7 (81850) 4-51-03, 3-33-27 postoffice@krm.ilimgroup.ru, www.ilimgroup.com
Kotlas Furniture, 000	Furniture production	165300, Arkhangelsk obl., Kotlas, ul. 7-go Sjezda Sovetov, 105	Tel. +7 (81837) 2-52-46 kmmebel@atnet.ru
Kotlassky LDK, 000	Woodworking: doorsets. Wood-sawing: saw timber, and moulded strips	165304, Arkhangelsk obl., Kotlas, ul. Saltykova Schedrina, 25	Tel.: +7 (818-37) 3-98-53, 3-97-98, 3-97-95, kldk@atnet.ru
Kotlassky OSP LZU (part of Ilim Group)	Lumbering	165311, Arkhangelsk obl., Kotlas, ul. Z. Kosmodemyanskoj, 16	Tel. +7 (81837) 3-85-34 dmitrieva.irinay@mail.ru
Krasnoderevshchik, 000	Woodworking: sash pulleys, doorsets, stairs, and glulam. Furniture production: furniture from solid wood	163020, Arkhangelsk, Moseev Ostrov, 12	Tel.: +7 (8182) 24-95-85, 23-31-68, 24-89-08, berezin65@mail.ru, www.krasnoderevoplus.ru
Krechetovo, SPK	Lumbering	164154, Arkhangelsk obl., Kargopolsky rayon, p/o Krechetovo, ul. Leningradskaya, 2	Tel. +7 (81841) 3-31-96
Kremlyov V.V., IP	Lumbering	163000, Arkhangelsk obl., Troitsky pr., 65, office 405	Tel. +7 (8182) 21-74-91 kreml@arhlestrans.ru
Krona, 000	Lumbering	164010, Arkhangelsk obl., Konosha, ul. Kollektivizacii, 15	Tel.: +7 (81858) 2-22-74, 2-27-02
Kurilov E.V., IP	Lumbering. Wood-sawing: saw timber	164010, Arkhangelsk obl., p. Konosha, ul. Rabochaya, 2	Tel. +7 (921) 087-11-08 kevlad1@rambler.ru
Kurtyaev o, 000	Lumbering	164500, Arkhangelsk obl., Severodvinsk, pr. Belomorsky, 4	Tel.: +7 (8184) 56-36-55, 56-36-77
Kushkov N.A., IP	Lumbering. Wood-sawing: saw timber. Woodworking: joinery	164537, Arkhangelsk obl., Kholmogorsky rayon, m/o Yemetskoye, der. Zapolye, 20, kv. 2	Tel. +7 (921) 292-24-37
Kuvakin S.N., IP	Lumbering	165435, Arkhangelsk obl., Krasnoborsky rayon, der. Shkolny poselok	Tel. +7 (921) 487-70-01
Laminat (Klyushin Y.A., IP)	Furniture production: casegoods furniture. Woodworking: joinery	163015, Arkhangelsk, ul. Chkalova, 26	Tel. +7 (8182) 66-35-57, lam-and-nat@yandex.ru
Led, 000	Lumbering. Wood-sawing: saw timber	165182, Arkhangelsk obl., Shenkursky rayon, s. Shegovary, ul. Kedrovaya, 6	Tel. +7 (81851) 445-83 oooled@mail.ru
Legato, 000	Wood-sawing: saw timber	163001, Arkhangelsk, pr. Troitsky, 158, kv. 34	Tel.: +7 (8182) 20-11-12, +7 (921) 720-02-90 reception@legato-group.ru, www.legato-group.ru
Lenskoye OSP LZU, OAO (Filial of Ilim Group)	Lumbering	165780, Arkhangelsk obl., Leninsky rayon, s. Yarensk, ul. Bratyev Pokrovskikh, 36	Tel.: +7 (81859) 5-23-10, 5-24-41, 5-24-11 citizen1@atnet.ru
Les Service, 000	Lumbering. Wood-sawing: saw timber	164260, Arkhangelsk obl., Plesetsk, ul. Slep'yana, 6A	Tel. +7 (81832) 7-47-00 sptehles@atnet.ru
Lesnaya Niva, 000	Lumbering. Wood-sawing: saw timber	164288, Arkhangelsk obl., Plesetsky rayon, pos. Savinsky, ul. 40 let Pobedy, 1	Tel. +7 (81832) 6-15-09 niiva@atnet.ru
Lesozavod 2, OAO	Wood-sawing: saw timber, engineering wood chips, and planed products	163016, Arkhangelsk, ul. Oktyabrskaya, 3/1	Tel.: +7 (8182) 62-80-60, 62-81-90, fax +7 (8182) 62-79-97 info@lesozavod2.ru, www.lesozavod2.ru
Lesozavod 3, OAO	Wood-sawing: saw timber, and engineering wood chips	163015, Arkhangelsk, Leningradsky pr., 163	Tel.: +7 (8182) 27-22-72, 41-90-00, 61-85-42 office@sawmill3.com, www.sawmill3.ru
Lesozavod 25, ZAO (a part of Titan Group of Companies)	Wood-sawing: saw timber. Bioenergy: wooden granules	163025, Arkhangelsk, ul. Postysheva, 26	Tel. +7 (8182) 63-82-42, fax +7 (8182) 63-80-62 panteleeva.margarita@sawmill25.ru, www.sawmil25.ru
Lipovskoye Farm Enterprise	Lumbering. Wood-sawing: saw timber	165135, Arkhangelsk obl., Velsky rayon, der. Malaya Lipovka	Tel. +7 (81836) 7-43-25

Name	Activity	Address	Contacts
Litvinovsky OP LZU, OAO (Filial of Ilim Group)	Lumbering	165711, Arkhangelsk obl., Lensky rayon, pos. Soyga, ul. Tsentralnaya, 50	Tel.: +7 (81859) 7-31-89, 7-32-89 litvinovolzu@mail.ru
Lukovetsky RMC, 000	Lumbering	164559, Arkhangelsk obl., Kholmogorsky rayon, pos. Lukovetsky, ul. Sovetskaya, 12, office 16	Tel.: +7 (81830) 3-52-69, 1-52-31, 1-51-34 lukrmcz@mail.ru
LZP Konetsgorsky, 000	Lumbering	164577, Arkhangelsk obl., Vinogradovsky rayon, pos. Roche gda, ul. Komsomolskaya, 37	Tel.: +7 (81831) 2-13-90, 6-64-66 konles@yandex.ru, www.solombala.com
LZP Mamonikha, 000	Lumbering	164637, Arkhangelsk obl., Pinezhsky rayon, pos. Mamonikha, ul. Lenina, 1	Tel. +7 (81856) 2-14-13, fax +7 (81856) 2-15-68 mamonih1@mail.ru, www.solombala.com
Maloshuykales, 000	Lumbering. Wood-sawing: saw timber	164894, Arkhangelsk obl., Onezhsky rayon, pos. Maloshuyka, ul. Lesozavodskaya, 14	Tel.: +7 (81839) 3-42-99, 3-41-72, 3-42-99 maloshuyka@yandex.ru
Mezensky Woodworking Plant, 000	Wood-sawing: saw timber	164762, Arkhangelsk obl., Mezensky rayon, pos. Kamenka, ul. Shelgunova, 2	Tel. +7 (81848) 5-41-43 mezdz@yandex.ru
Module Drev, 000	Wooden house construction	163000, Arkhangelsk, pr. Moskovsky, 25/8	Tel.: +7 (8182) 66-20-21, 45-50-37, fax +7 (8182) 66-31-10 modulkl@yandex.ru, www.mebel29.ru
Niandoma Khimleskhoz, 000	Lumbering	164200, Arkhangelsk obl., Niandoma, ul. Industrialnaya, 3	Tel.: +7 (81838) 6-51-65, 6-59-90 sofit@atnet.ru
Niva, 000	Lumbering. Wood-sawing: saw timber	164288, Arkhangelsk obl., Plesetsky rayon, pos. Savinsky, ul. 40 Let Pobedy, 1	Tel.: +7 (81832) 6-15-09, 6-19-65, fax +7 (81832) 6-11-82, niiva@atnet.ru
Novodvinskaya LPK, ZAO	Wood-sawing: saw timber. Woodworking: sash pulleys, and doorsets	164900, Arkhangelsk obl., Novodvinsk, ul. Frontovikh Brigad, 12	Tel. +7 (81852) 4-30-53 zaonlpk29@yandex.ru
Novodvinsk Furniture Plant, OAO	Furniture production: casegoods furniture, soft furniture	164900, Arkhangelsk obl., Novodvinsk, ul. Frontovikh Brigad, 14	Tel. +7 (81852) 5-12-00 grigoryeva@arkpf.ru
Oktyabrsky DSK, OAO	Wood-sawing: saw timber. Woodworking: joinery	165210, Arkhangelsk obl., Ustyansky rayon, pgt Oktyabrsky, ul. Magistralnaya, 18	Tel.: +7 (81855) 5-12-44, 5-12-46 oao.dsk@gmail.com
Olymp, 000	Lumbering	164261, Arkhangelsk obl., Plesetsky rayon, pos. Plesetsk, ul. Proletkultura, 8	Tel.: +7 (81832) 7-47-37, +7 (911) 681-44-44 kamenev414@mail.ru
Onezhsky LDK, OAO	Wood-sawing: saw timber, wood chips	164842, Arkhangelsk obl., Onega-2, ul. Gutina, 2	Tel.: +7 (81839) 7-71-48, 7-71-45 sawmills@atnet.ru, www.sawmills.ru
Optima, 000	Wood-sawing: saw timber	164010, Arkhangelsk obl., Konoshsky rayon, pos. Konosha, ul. Sovetskaya, 2	Tel. +7 (911) 228-90-63 lesoptima@yandex.ru
Palkin A.V., IP	Lumbering. Woodworking: joinery. Wooden house construction	165300, Arkhangelsk obl., Kotlas, ul. Karla Marksa, 7, office 218	Tel. +7 (81837) 2-00-54 palkin98@inbox.ru
Pasva-Les, 000	Lumbering. Wood-sawing: saw timber	165141, Arkhangelsk obl., Velsky rayon, pos. Pasva, ul. Rechnaya, 28	Tel. +7 (81836) 7-14-64, pasva-klph@yandex.ru
Pinezhyeles, 000	Lumbering	164610, Arkhangelsk obl., Pinezhsky rayon, pos. Pinega, ul. Pervomayskaya, 38	Tel.: +7 (81856) 4-23-32, 4-23-3, 4-21-58, 4-23-34, pineles@mail.ru
Pisec Severles, 000	Lumbering. Wood-sawing: saw timber	164268, Arkhangelsk obl., Plesetsky rayon, pos. Iksa, ul. Mira, 1	Tel.: +7 (81832) 6-49-26, 6-40-17 pisecsew@atnet.ru
Plesetsky LPKh, 000	Lumbering	164260, Arkhangelsk obl., Plesetsky rayon, pos. Plesetsk, PO Box 76	Tel. +7 (81832) 7-33-11 nord007@atnet.ru
PLO Onegales, 000	Lumbering	164840, Arkhangelsk obl., Onega, ul. Sharevskogo, 3, office 239	Tel.: +7 (81839) 7-11-50, 7-1354, 7-282, onegales@atnet.ru
PMK-14, OAO	Lumbering. Wood-sawing: saw timber	165160, Arkhangelsk obl., Shenkursky rayon, d. Bobykinskaya, ul. 50 Let MTS, 2A, office 3	Tel.: +7 (81851) 4-13-12, fax +7 (81851) 4-15-92 lesosin@yandex.ru
Popov N.D., IP	Lumbering	165391, Arkhangelsk obl., Kotlassky rayon, pos. Privodino, ul. Stroiteley, 9, kv. 56	Tel.: +7 (81837) 737-81, (921) 677-69-91, bushuev741@bk.ru
Prim-Les, 000	Wood-sawing: saw timber. Wooden house construction: prefabricated panel houses, houses from solid timber	163502, Arkhangelsk obl., Primorsky rayon, pos. Uyemsky, ul. Ustyanskaya, 15	Tel. +7 (921) 720-44-14, prim-les@yandex.ru
Priroda, 000	Lumbering	164288, Arkhangelsk obl., Plesetsky rayon, pos. Savinsky, ul. Lesnaya, 16	Tel.: +7 (81832) 6-19-60, 6-11-81 savinsk-priroda@list.ru
Proton, 000	Wood-sawing: saw timber	165111, Arkhangelsk obl., Velsky rayon, pos. Argunovskiy, ul. Zaozerskaya, 6A	Tel. +7 (81836) 6-62-02, fax +7 (81836) 6-49-77 proton@atnet.ru, www.protonvelsk.ru
Rask Invest, 000	Lumbering	165151, Arkhangelsk obl., Velsky rayon, Velsk, ul. Klimovskogo, 54	Tel. +7 (81836) 2-51-61 merango23@rambler.ru
Rostok, 000	Lumbering	163046, Arkhangelsk, ul. Sovetskikh Kosmonavtov, 52/2, pom. 1	Tel. +7 (8182) 42-10-66 ooo_rosal@mail.ru

Name	Activity	Address	Contacts
Runo, 000	Lumbering	163002, Arkhangelsk, ul. Uritskogo, 47/1, office 54	Tel. +7 (921) 479-23-63, runo-ooo@mail.ru
Ryazanovo DOK, 000	Wooden house construction: glulam houses. Wood-sawing: saw timber	164571, Arkhangelsk obl., Vinogradovsky rayon, pos. Bereznik, ul. Molodezhnaya, 9	Tel. +7 (81831) 2-44-46 klp231@yandex.ru
Severnaya Sloboda, 000	Wood-sawing: saw timber	163002, Arkhangelsk, ul. Strelkovaya, 13, office 27	Tel. +7 (8182) 64-42-48 doless@yandex.ru
Severnoye Timber-Processing Tovarischestvo Lesozavod 3, OAO	Wood-sawing: saw timber, and planed products	163015, Arkhangelsk, pr. Leningradsky, 163	Tel.: +7 (8182) 41-90-18, 27-22-72 office@sawmill3.com, www.sawmill3.ru
Severnoye Zodchestvo, 000	Wooden house construction	163000, Arkhangelsk, pr. Lomonosova, 92/2, office 505	Tel.: +7 (8182) 42-14-31, +7 (921) 490-34-34 arhangelsk@list.ru, www.arkhangel.ru
Severny Les, 000	Lumbering	163026, Arkhangelsk, ul. Rodionova, 25	Tel. +7 (8182) 27-67-26, fax +7 (8182) 24-10-97 apestov@rusforest.com
Severny Raid, 000	Lumbering. Wood-sawing: saw timber	164284, Arkhangelsk obl., Plyasetsky rayon, pos. Konevo, ul. Leningradskaya, 103	Tel. +7 (962) 663-28-28 ydzik@mail.ru
Severolesexport, OAO	Wood-sawing: saw timber	163000, Arkhangelsk, pr. Troitsky, 65	Tel. +7 (8182) 65-13-68, fax +7 (8182) 65-14-05 oaosle2@mail.ru, www.sevlesexp.narod2.ru
Severyanin, ZAO	Lumbering. Wooden house construction	164110, Arkhangelsk obl., Kargopol, ul. Bolnichnaya, 2A	Tel.: +7 (81841) 2-13-80, 2-14-71 building@atnet.ru
Shalakushales, OAO	Lumbering	164210, Arkhangelsk obl., Niandomsky rayon, pos. Shalakusha, ul. Oktyabrskaya, 4	Tel.: +7 (81838) 3-11-21, 3-11-27, 3-12-98, 3-11-93 aoshal@atnet.ru
Shalakusha Wood Processing Industry, ZAO	Woodworking: wooden components for dormers	164210, Arkhangelsk obl., Niandomsky rayon, pos. Shalakusha	Tel. +7 (81838) 3-12-26, avs-velux@mail.ru
Shalakushsky Wood-Sawing Plant, OAO	Wood-sawing: saw timber, and engineering, wood chips. Woodworking: europallets	164210, Arkhangelsk obl., Niandomsky rayon, pos. Shalakusha, ul. Pervomayskaya, 9	Tel.: +7 (81838) 3-12-06, 3-11-56, 3-12-65, shalz@mail.ru
Shangaly Les, 000	Lumbering	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Agrokhimikov, 1A	Tel. +7 (81855) 5-24-18 Shles2005@yandex.ru
Skanika, 000	Lumbering	163002, Arkhangelsk, ul. Uritskogo, 17, office 401	Tel.: +7 (8182) 64-23-80, (921) 492-70-70 timber@mail.ru
SKV-Company, 000	Woodworking. Furniture production: furniture for children	163032, Arkhangelsk, ul. Zelenets, 11, str. 6	Tel.: +7 (8182) 65-77-17, 63-58-47, 63-58-74, skv@arh.ru, www.skvcompany.ru
Sofar, 000	Lumbering	163061, Arkhangelsk, pr. Troitsky, 65, office 503	Tel. +7 (8182) 20-75-33, 20-64-40, fax +7 (8182) 20-80-25 a.kononov@sofar.ru
Solombalales, Managing Company, 000	Wood-sawing: saw timber. Lumbering. Pulp-and-paper: cellulose	163059, Arkhangelsk, ul. Kirovskaya, 4	Tel.: +7 (8182) 67-96-70, 67-96-00 ivan.borodin@soles.ru, www.solombala.com
Solombalsky LDK, OAO	Wood-sawing: wood chips, saw timber	163012, Arkhangelsk, ul. Dobroliubova, 1/1	Tel.: +7 (8182) 22-82-87, 22-31-61, 65-75-67 sldk@sldk.ru, www.sldk.ru
Sorovoles, 000	Lumbering	165694, Arkhangelsk obl., Vilegodsky rayon, pos. Sorovo	Tel. +7 (921) 247-87-16 sorovoles@mail.ru
Stroy-snab, 000	Wood-sawing: saw timber	163002, Arkhangelsk, ul. Uritskogo, 17, office 406	Tel. +7 (8182) 64-36-65 necvetaevd@mail.ru
Svaga, 000	Lumbering	165500, Arkhangelsk obl., Verkhnetoymsky rayon, s. Verkhnaya Toyma, ul. Lomonosova, 37Б	Tel. +7 (81854) 3-12-57 hlebaoa@atnet.ru
Svetlozerskles, OAO	Lumbering	164557, Arkhangelsk obl., Kholmogorsky rayon, pos. Svetly	Tel. +7 (81830) 3-80-25, fax +7 (81830) 3-80-09 svetles1@atnet.ru, www.solombala.com
Tahis, 000	Woodworking: planed products, and joinery	163016, Arkhangelsk, ul. Tarasova, 31	Tel.: +7 (8182) 61-02 -24, +7 (921) 721-71-61 ofis@tahis.ru, www.tahis.ru
Taiga-3, 000	Lumbering	163001, Arkhangelsk, ul. Shubina, 3	Tel. +7 (8182) 28-66-18 tayga@gmail.com
Taiga-Service, 000	Lumbering. Wood-sawing: saw timber	164530, Arkhangelsk obl., Kholmogorsky rayon, s. Kholmogory, ul. Shubina, 38	Tel. +7 (921) 299-61-84
Tovarkin O.V., IP	Production of furniture for children	163015, Arkhangelsk, ul. Lenina, 29	Tel. +7 (8182) 61-30-56 acdm²9@yandex.ru
Toymales, 000	Lumbering	163059, Arkhangelsk, ul. Kirovskaya, 4	Tel.: +7 (81854) 3-15-46, 3-10-91 toymales@yandex.ru, www.solombala.com
Tyogrinsky KLPKh, OAO	Lumbering	165107, Arkhangelsk obl., Velsky rayon, pos. Tiogroozero, ul. Mira, 10	Tel.: +7 (81836) 3-81-42, 3-81-33, 3-82-31

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Udimsky OSP LZU, OAO	Lumbering	165370, Arkhangelsk obl., Kotlassky rayon, pos. Udimsky, ul. Oktyabrskaya, 38A	Tel.: +7 (81837) 7-46-44, 7-46-36, 7-46-83, Udima1@atnet.ru
Urdomsky OSP LZU, OAO	Lumbering	165721, Arkhangelsk obl., Lensky rayon, pos. Urdoma, ul. Zelionaya	Tel. +7 (81859) 6-66-60 ilimsev@atnet.ru
Ust-Pokshengsky LPKh, 000	Lumbering. Wood-sawing: saw timber	164628, Arkhangelsk obl., Pinezhsky rayon, pos. Yasny, ul. Lesnaya, 14	Tel. +7 (81856) 2-70-08 glavbuhuplh@rambler.ru
Ustyales, OAO	Lumbering. Wood-sawing: engineering wood chips, saw timber, and planed moulded strips. Woodworking: slash pulleys, and doorsets	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Zavodskaya, 17	Tel. +7 (81855) 5-13-10 ustyales@atnet.ru
Ustyansky LPKh, 000	Lumbering. Wood-sawing: saw timber. Woodworking: euro lining boards	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Sovetskaya, 32, PO Box 2	Tel. +7 (81855) 7-72-65 ulkust@mail.ru, www.ulkust.ru
Ustyapromles, 000	Wood-sawing: saw timber	165210, Arkhangelsk obl., Ustyansky rayon, pos. Oktyabrsky, ul. Domostroitelej, 49	Tel. +7 (81855) 5-22-75 ustprles@mail.ru
Vaengsky Lespromkhoz, 000	Lumbering	164570, Arkhangelsk obl., Vinogradovsky rayon, pos. Dvinskoy Bereznik, ul. P. Vinogradova, 138A	Tel.: +7 (81831) 2-12-89, +7 (921) 295-46-38 lespromxoz.2012@yandex.ru
Vagainvest, ZAO	Wood-sawing: saw timber, moulded strips. Woodworking: glulam, doors	165150, Arkhangelsk obl., Velsk, ul. Dzerzhinskogo, 109	Tel.: +7 (81836) 6-36-91, 6-28-38, fax +7 (81836) 6-08-73, vinvest@atnet.ru, wudprom@atnet.ru, www.vagainvest.ru
Veles-Dom, 000	Wooden house construction: houses from solid timber	165150, Arkhangelsk obl., Velsk, ul. Nekrasova, 20A, kv. 36	Tel. +7 (921) 291-85-61 yuri-velesdom@yandex.ru
Velsk-Les, LPP, 000	Lumbering	165123, Arkhangelsk obl., Velsky rayon, d. Kozlovskaya, ul. Centralnaya, 26, pom. 3	Tel. +7 (81836) 6-29-35 lppvles@atnet.ru
Velskoye LPP, OAO	Lumbering	165151, Arkhangelsk obl., Velsk, ul. Zavodskaya, 116, str. 1	Tel. +7 (81836) 6-28-01, fax +7 (81836) 2-56-33 lesobaza@atnet.ru
Velsky DOK, 000	Woodworking	165151, Arkhangelsk obl., Velsk, ul. Zavodskaya, 25	Tel.: +7 (81836) 6-51-85, 6-54-05, 6-54-06 vldk2007@mail.ru
Velstar, 000	Lumbering	165150, Arkhangelsk obl., Velsk, Komsomolskaya, 11	Tel. +7 (81836) 6-46-86
Velwood, 000	Wood-sawing: planed moulded strips	165150, Arkhangelsk obl., Velsk, ul. Dzerzhunskogo, 109	Tel. +7 (81836) 6-46-29 oolaguna@mail.ru
Viking (Volkov V.N., IP)	Woodworking: interior doors. Furniture production: casegoods furniture	163011, Arkhangelsk, ul. Pribrezhnaya, 22	Tel./fax +7 (8182) 61-81-00 vikingarh@yandex.ru, www.viking29.ru
Vitline, 000	Lumbering	163002, Arkhangelsk, ul. Uritskogo, 1, office 314	Tel.: +7 (8182) 46-23-66, 46-23-67, 46-23-68 vitaline@sovintel.ru
Yantarny Gorod, 000	Wooden house construction: log houses	163045, Arkhangelsk, pr. Obvodny Kanal, 94, office 210	Tel.: +7 (8182) 44-45-33, 21-20-06 mail@zagorod29.ru, www.zagorod29.ru
Yekimovsky M.Y., IP	Wood-sawing: planed products	163009, Arkhangelsk, Moskovsky pr., 41, korp.1, kv. 139	Tel. +7 (921) 484-18-32 Michael.Ekimovsky@yandex.ru
Zamaraev E.A., IP	Lumbering. Wood-sawing: saw timber	164111, Arkhangelsk obl., Kargopol, ul. Kupriyanova, 12	Tel. +7 (81841) 2-11-34 astrakar@mail.ru
Zamolotov P.V., IP	Lumbering	164034, Arkhangelsk obl., Konoshsky rayon, der. Klimovskaya, ul. Tsentralnaya, 26	Tel. +7 (921) 491-31-79, slivki-26@mail.ru
Zaozyornij LDK (Bessosednaya N.A., IP)	Wood-sawing: saw timber	164523, Arkhangelsk obl., Severodvinsk, pr. Morskoy, 58, kv. 50	Tel. +7 (921) 241-20-34
Zarya, SPK	Lumbering. Wood-sawing: saw timber	164625, Arkhangelsk obl., Pinezhsky rayon, der. Veegora, 44	Tel. +7 (81856) 6-22-41
Zaytsev R.I., IP	Lumbering. Wood-sawing: saw timber	164610, Arkhangelsk obl., pos. Pinega, ul. Kudrina 97, kv 5	Tel. +7 (911) 569-72-03
Zelennikles, 000	Lumbering	165517, Arkhangelsk obl., Verkhnetoemsky rayon, pos. Zelennik, ul. Tsentralnaya, 1	Tel. +7 (81854) 7-34-73 zelennik2012@yandex.ru

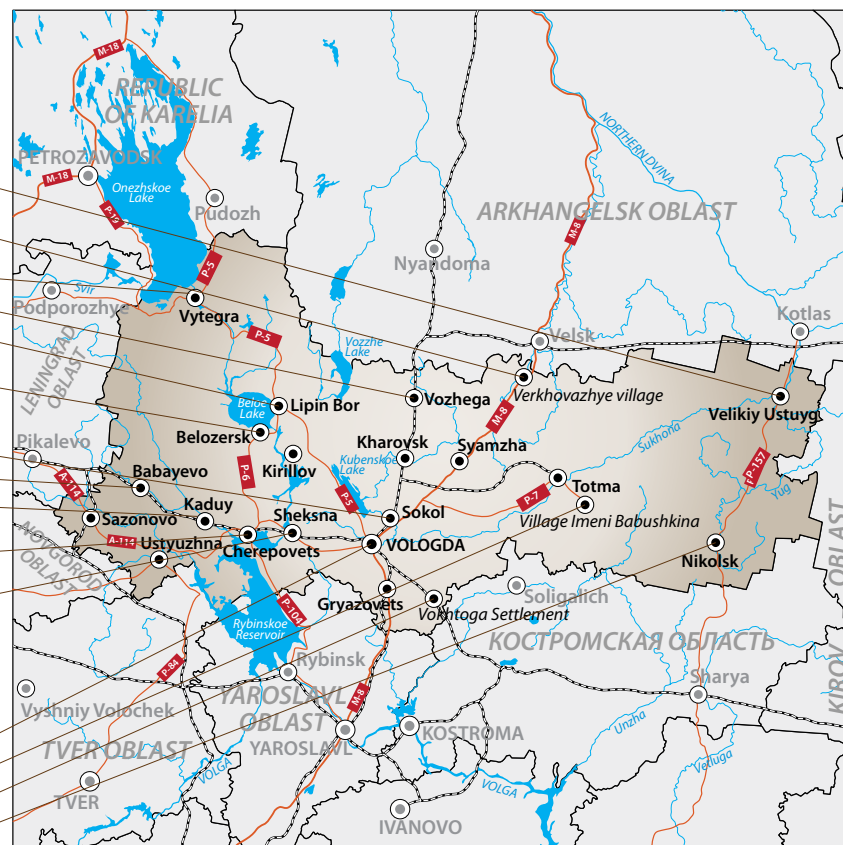
A Vologda Fairy Tale

On foto:
Sokol DOK

A fortunate geographical position, a well developed industry, a comprehensive and differentiated transportation system. All of this allows the Vologda Oblast to maintain effective business connections both with other regions in Russia and foreign countries.

Large-scale enterprises of the Vologda Oblast

Novator, Velikoustyugsky Plywood Mill, OAO
Novatorsky LPK, OAO
Patriot, OOO
Biolesprom, OOO
Verkhovazhjeles, OOO
LDK-2, OOO
Onegalesprom, ZAO
Vozhega-Les, ZAO
Vashkinsky LPH, OAO
Belozerskles, OOO
Belozersky LPH, OAO
Sokolsky DOK, OAO
Sokolsky PPM, OAO
Sukhonsky PPM, OOO
Babaevsky LPH, OAO
Kadujsky Plywood Mill, OOO
Cherepovets Plywood and Furniture Plant, ZAO
Cherepovetsles, Holding Company, OAO
Koskisliva, OOO
Sheksninsky KDP, OOO
Investlesprom, ZAO
Kholbit, OOO
Kipelovo, LPK, OAO
Plant KDK, OOO
Stora Enso Forest Vest, OOO
Vologdalesprom, Corporation, OAO
Vologodskiy Lesopromyshlenniki, HC, ZAO
Babushkinsky Union of Entrepreneurs, OOO
Vokhtozhsky DOK, OOO
Nikolsky Les, OOO



The Vologda Oblast makes up part of the North-West Federal District of the Russian Federation, and belongs to the Northern economic zone. The region occupies an area of 145,7000 km² – almost 1% of the entire area of Russia. The greatest distance from north to south in the oblast is 385 km, and from west to east it is 650 km. The population of the oblast is 1,136,000 people, and two thirds of the population live in cities.

The administrative centre is the city of Vologda, with a population of 301,600. However, the biggest city in the oblast is Cherepovets (pop: 312,900). The population count in the rest of the cities of the region does not exceed 40,000. The distance from Vologda to Moscow is 465 km.

As well as Vologda and Cherepovets, Veliki Ustyug and Sokol are also considered to be cities of regional significance.

NATURE AND CLIMATE

The Vologda Oblast is located in the North-East of the Great Russian Plain in the temperate continental climate zone. The area is characterized by long, moderately cold winters and warm but relatively short and humid summers. In the east the climate is more severe than in the west. The average January temperature is –12 to –13°C, and the average July temperature is +15°C. Yearly precipitation totals 500–600 mm. The snow cover is stable, and stays for 165–170 days a year on average. The period when temperatures fall below zero lasts for about the same amount of time, while the vegetation season is around 130 days. The mean annual precipitation ranges from 480 mm in the east to 600 mm in the west of the region.

The Vologda Oblast consists of undulating land and lowlands alternating with uplands. The region is rich in water resources – rivers, brooks and lakes make up 4.6% of the territory. The major Vologda Oblast rivers are the Sukhona, Vologda, Dvinitza, Suda, Yug, Luza, Mologa, Chadoga and Sheksna rivers. The Rybinsk Reservoir (with an area of 4,500 sq.km.) and Sheksninskoe Reservoir (with an area of 380 sq.km.) are located in the south-west of the region, and the lakes Beloe, Kubenskoe, Vozhe and many others are located in the west (more than 80% of the Vologda Oblast lakes are located in this part of the region). In the north the region opens on to the Onega Lake. Altogether there are 5,300 lakes and around 20,000 rivers and streams on the Vologda Oblast territory. Twelve percent of the territory of the region is made up of swamps which are located mostly in the western regions.

Forests cover approximately three quarters of the Vologda Oblast territory, and are considered one of the main treasures of the region.

RESOURCES

The region is relatively poor in mineral resources. The mineral and raw materials potential of the region constitutes only 0.045% of that calculated for the whole of Russia. More than 800 mines for solid minerals deposits, including peat (the region is among the richest in the European part of Russia in terms of peat reserves), sand-and-gravel materials, mortar sands, brick and tile clays, keramzite clays, carbonate rock and saporel have been developed and prepared for exploitation in the Vologda Oblast.

The regional administration notes that according to new geological data, new opportunities have arisen to exploit raw hydrocarbon deposits and diamond mines in the region.

TRANSPORTATION

The transportation system of the Vologda Oblast is quite well developed, and its geographical position is very advantageous – transportation lines connecting central Russia with the northern and the eastern regions pass through the region.

The region has five airports: in Vologda, Cherepovets, Vytegra, Kitch-Gorodok and Veliki Ustyug. The majority of flights from Vologda and Cherepovets are to Moscow, St. Petersburg, Ukhta, Petrozavodsk, and Helsinki.

The Vologda railway junction is the biggest in the north-west and the railway network Vologda–2–Losta-Sortirovochnaya has the heaviest traffic of the whole Russian railway system. The main railway lines Moscow–Arkhangelsk–Murmansk/Vorkuta, St. Petersburg–Yekaterinburg and others going in all directions pass through the region. All of the all-purpose railway lines are electrified, and their length totals 768 km.

Motorways of federal significance, the M8 “Kholmogory” (Moscow–Yaroslavl–Vologda–Arkhangelsk) and the A114(Vologda–Novaya Ladoga) pass through the Vologda Oblast and through the city of Vologda itself. Also, there is a well-developed network of roads of regional significance in the region. The total length of motorways in the region is 15,500 km, including federal motorways with a length of 641 km.

The Vologda Oblast is crossed by the Volga-Baltic Waterway, which is a system of rivers, lakes, canals and hydraulic structures, and which is part of the integrated deep-water system in European Russia. The port in Cherepovets is one of the biggest on the Volga-Baltic Waterway. It can handle both river boats and river-sea navigation vessels, and it has its own cargo and passenger fleet, portal cranes with a load-lifting capacity up to 40 tons, and open and closed storage platforms. The second main waterway passing through the region is the Sukhona river and the Severnaya Dvina sluice system which provides access to the White Sea.

Baltic Canal and the White Sea. The length of the inner navigable water network totals 1,577 km.

ECONOMY

Gross regional product of the Vologda Oblast in 2011 was 316 billion rubles. According to preliminary estimates in 2012 the region's economy grew up by 2.8%.

The economy of the Vologda Oblast is based on industry, which accounts for more than 50% of gross regional product. Metallurgical production prevails, accounting for 50.6% of the volume of the shipped industrial products – a result of the advantageous geographical position of the region for the metallurgical industry, and the region's well-developed transportation infra-structure. Almost one sixth of Russia's rolled metal products are produced in the Vologda Oblast. The region is the second most productive in Russia for steel manufacture and the production of finished rolled ferrous metals.

According to data from the Vologda Oblast administration, other activities in industrial production account for the following percentages in total industrial activity:

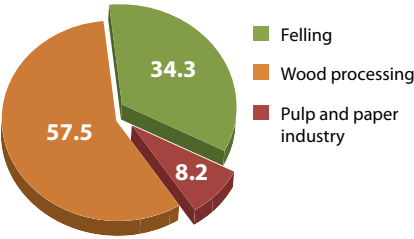
- Chemicals production – 13.7%
- Wood processing and wood products manufacture – 3.3%
- Pulp-and-paper production – 0.5%
- Machinery and equipment production – 4.7%
- Food production – 8.9%
- Textile and garment manufacture – 0.3%
- Glass and glassware production – 1.3%
- Electrical energy, gas and water production and distribution – 8.9%

In terms of export per head of population, the Vologda Oblast is the sixth in Russia and the second in the Northwestern District. Apart from metals, fertilizers and wood, a considerable amount of food products, such as poultry, meat and dairy products, are exported out of the region.

The Vologda Oblast does not possess its own energy resources, apart from firewood, peat, and logging waste for heating, which accounts for less than 2% in the energy balance of the region, 98% of the supply of the primary energy resources comes from other regions in Russia. Natural gas accounts for the majority of primary energy consumption, coming to the region from Western Siberia via the “Siyanie Severa” gas pipe line. The second most widely-consumed energy is hard coal, which is used by the well-developed metallurgical industry.

The energy supply system of the Vologda Oblast is such that consumers are supplied with 98% of electrical energy, 85% of heat energy and 70% of water from the centralized energy system. On

Vologda Oblast forestry complex, approximate proportion of manufactured production



the whole, the centralized energy supply system provides a relatively good energy supply for the region.

Half of the region's need for electrical energy is covered by the Cherepovets regional power station (with an installed capacity of 630 megawatts), the Vologda thermal power station and an isolated generating plant. The rest of the electricity required by the region comes from the wholesale electrical energy market provided by the Tver, Kostroma, Kirov, Leningrad and Yaroslavl Oblasts.

FORESTRY RESOURCES

The forestry resources of the Vologda Oblast occupy an area of 11.7 million hectares (80.8% of the territory of the region), of which 10.6 million hectares is covered by forest vegetation. The forest land percentage of the region is 69.7%.

The total yield is 1,679,700,000 m³, including mature and over-mature at a figure of 9563,000 m³. The yield of predominant coniferous species amounts to 852,100,000 m³, including mature and over-mature a figure of 331,300,000 m³. The total yield with prevailing soft-wooded broad-leafed species amounts to 827,600,000 m³, including mature and over-mature at 625 million m³. This means that the exploitable total predominantly consists of mature and over-mature soft-wooded broad-leafed species.

Non-forest lands that form part of the forestry resource amounts to 1,351,600 hectares (11.6% of the total area) and are mostly represented by swamps.

According to functional purpose, the forests located on the lands of the forest resource of the Vologda Oblast are divided into protected lands (1,762,300 hectares, or 15.4% of the total area) and exploitable lands (9,713,400 hectares, or 84.6%).

Forests with prevailing coniferous species account for 50.7% of the total, with predominant soft-wooded broad-leafed species accounting for 49.3%. Here is a more detailed picture of distribution according to the predominant species:

Products made in the Vologda Oblast by the forestry complex, 2010

	Unit	Manufactured	% of 2009
Unprocessed timber	thou. m³	10,706.6	133.8
including:			
logs (coniferous species)	thou. m³	5,453.2	119.0
logs (hardwood species)	thou. m³	3,406.0	158.5
Sawn materials cut lengthways or chopped, separated into layers or sawn with a thickness of over 6 mm; wooden, untreated railway or tram sleepers	thou. m³	1,185.7	117.0
Wood shavings for manufacture of paper and wood pulp	thou. m³	154.8	104.0
Fuel granules (pellets)	t	38,344.0	91.0
Glued plywood	m³	247,764.0	117.3
Chipboard or similar boards made of timber and other wooden materials	con. m³	524,463.0	122.1
Fiberboard made of timber or other wooden materials	thou. con. m²	19,675.8	92.1
Window blocks, assembled	thou. m²	22.2	75.3
Door blocks, assembled	thou. m²	29.2	73.0
Wooden houses for factory manufacture	thou. m²	33.1	199.4
Wood pulp and pulp made of other fibrous materials	t	13,255.0	108.8
Paper	t	77,262.0	128,5
Cardboard	t	24,877.0	108,2

Structure of deliveries of processed timber by manufacturing enterprises in the Vologda Oblast in 2009, %

	Sawn materials	Glued plywood	Pulp, paper	Chipboard
Oblast market	25.1	4.4	10.5	23.1
Russian regions	18.5	41.5	61.2	76.9
Export	56.4	54.1	28.3	–

- predominantly pine trees – 2,264,200 hectares, 390.8 million cubic meters;
- predominantly fir trees – 2,752,200 hectares, 449.8 million cubic meters;
- predominantly birch trees – 3,737,700 hectares, 606.5 million cubic meters;
- predominantly aspen – 965,000 hectares, 187.3 million cubic meters.

Furthermore, insignificant areas of the forests are represented by sallow, common alders, speckled alders, larches and cedars.

By age group, mature and over-mature trees prevail at 44.2%, young trees account for 18.4%, middle-aged for 27.3%, and trees approaching maturity for 10.1% of the area covered by forest vegetation.

One of the main problems of forest management in Russia is the length of time since the forests have been organized. In some regions, the most recent forest management work was done in the Soviet era, i.e. more than 30 years ago. The Vologda Oblast is in a better situation from this point of view, but not by much: the most recent forest management work in the majority of the districts of the region dates back 10-14 years, and for forest areas that formerly belonged to farming organizations, the

most recent work was conducted up to 20 years ago.

The absence of updated forest management information makes it difficult to determine the qualitative and quantitative characteristics of the forest lands and the forestry resources in the Vologda Oblast. In accordance with existing legislation, forest management must be provided for by the funds of the constituent entity of the Russian Federation, but it is doubtful that the Vologda Oblast, which has a budget deficit, will be able to allocate this money.

In 2011, compared to data as of January 1, 2010, the woodland area has shrunk by 13,700 hectares due to the increase in clear felling, the conversion of forest lands to non-forest lands, and the construction of electricity lines and gas pipelines. At the same time, the areas of forest with a predominance of coniferous species have increased by 9,600 hectares. Also, the number of young coniferous trees under the age of 20 years has increased by 17,500 hectares, owing to forest regeneration measures.

The established extent of annual forest use for the Vologda Oblast is 24.7 million m³: 8.9 million m³ of coniferous species, and 15.8 million m³ of hardwood species. A total of 678 lease agreements

for forest areas have been made. The area of forests leased is 5.4 million hectares (47% of the forestry resource), of which 5.3 million hectares is used for timber.

In the Vologda Oblast in 2010, 12.4 million m³ of timber was produced, or 50.1% of the calculated yield. This is the highest figure for the development of felling-area resources in the last 10 years.

According to the strategy for the development of the forestry complex in the Vologda Oblast, the volumes of forest harvesting in exploitable forests should increase by 67% by 2017 compared with 2011, and the level of the development of the calculated yield by 2017 will amount to 68.2%. At the same time, the use of the calculated yield for coniferous species will top 71%, and 68% for hardwood species.

The forests of the Vologda Oblast not only fully provide local forestry complex enterprises with raw materials, but their timber is also actively sold outside the region. Over nine months in 2011, 236,000 m³ of lumber logs and 93,000 m³ of veneer logs were exported from the region, with the balance of hardwood and coniferous trees being 1,970,000 m³.

The forest areas that are subject to clear cutting in the Vologda Oblast vary within the range of 40 and 43,000 hectares annually. At the same time, forest regeneration measures in felled areas and other areas not covered with forest takes place in an area of over 40,000 hectares.

In general in the Oblast, the gap between felling and forest regeneration is kept to a minimum, and does not exceed two annual felling areas, which is in keeping with the recommendations of forest organization. In the period from 2011 to 2017, an increase in the volumes of forest cultivation in proportion to use is planned.

In order to create forestry crops, 15 million coniferous species (fir, pine) seedlings are cultivated each year in temporary and permanent nurseries in the Oblast. The demand for planting material is around 14.9 million seedlings annually. However, so far cultivation of planting material has only been carried out in the open root-system. These seedlings take root slowly and with difficulty under the new forest conditions, and many of them die. Therefore, the decision was taken in the Vologda Oblast to build a complex to cultivate planting material using the closed-root system, in order to facilitate higher-quality and more effective forest regeneration. This will make it possible to achieve 100% survival, swifter growth in the initial years, and allow trees to be planted throughout the entire vegetative period from spring to autumn, thus reducing the intensity of spring planting work when the weather conditions are very unstable.

In order to move to the new system of forest regeneration, a factory was opened to cultivate seedlings with the closed-root system in 2011. Two million cultivated seedlings were produced in 2012, which has made it possible to create more than 1,000 hectares of forestry crops with the closed-root system.

A common problem of all the forested regions in Russia is the underdeveloped network of forest roads, which not only holds back the growth of logging volumes, but which also makes forestry management difficult. According to forest organization data, there were an average of 2 km of roads per 1,000 hectares in the forests of the oblast in 2011. The timely implementation of necessary forestry management measures requires a road length of at least 10-12 km for every 1,000 hectares of forest area. The problem is being solved, albeit slowly, by the construction of roads through co-financing from the federal and regional budget, along with funds from the forestry business. These new forest roads have made it possible to develop inaccessible forest areas that have been selected for the realization of priority investment projects and keep remote forest settlements alive, as well as playing an important role in fire-fighting.

FORESTRY COMPLEX

The rich forestry resources and the proximity of foreign and domestic markets for wood products have made it possible for the major forestry enterprises, as well as the production activities of medium and small business, to exist in the oblast. At present, there are almost one-and-a-half thousand economic units operating in this sector.

Its main products are round wood, sawn materials, plywood, chipboard (wood laminate and fiberboard), carpentry items, paper, cardboard and wood pellets. The region is one of the leading manufacturers of these products in the economy of the Northwest federal district.

A significant amount of the production of the Vologda forestry complex is sent to the markets of other regions of the Russian Federation, or is exported. The main foreign export destinations are: Finland, Germany, Sweden, Norway, Estonia, the USA, Belgium and other countries.

It should be noted that the forestry complex in the region has suffered considerably from the international financial crisis of 2008 – the drop in production in 2009 compared with 2008 was 11.5%. Experts believe that one of the reasons for this is that a significant percentage of forestry production was oriented toward exports. For example, the main market for the sale of plyboard was North American markets.

One of the main problems of the Russian forestry complex is obsolete and worn-out equipment.

The wear and tear deficit of the main facilities in the Vologda forestry enterprises in 2008 was: around 60% in logging, around 30% in woodworking and production of wood items, and 56% in pulp-and-paper production. The industry of the region is in urgent need of investment in order to modernize its production facilities. In the growing economy, this task is quite realistic, and in the pre-crisis years of 2007 and 2008 (before August), investment in wood processing grew by more than two times. The crisis was a serious blow for the forestry industry in the region, and many investment projects were frozen, or entirely ceased to exist.

At present, the forestry sector of the Vologda Oblast has almost completely returned to pre-crisis level figures in production volume. As yet, there has been no news of any new major investment projects in the timber-processing field in the region. Meanwhile, the situation in the world economy remains unstable, and in these circumstances, people in the industry prefer to consolidate their current position rather than expand. But at least, realization of 15 projects is continuing, which were included on the federal list of priority investment projects in forestry development. Two projects have already been realized and have started operating.

Yevgenia CHABAK,
Oleg PRUDNIKOV



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for timber industry regulation

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priroda@vologda.ru, www.vologda-oblast.ru

Enterprises of the forestry industry of the Vologda oblast

Name	Activity	Address	Contacts
Agrofirma im. Pavlova, ZAO	Lumbering. Wood-sawing: saw timber	161440, Vologda obl., Nikolsky rayon, s. Melentievo, ul. Kuznetsova, 46A	Tel./fax +7 (81754) 2-16-57, imenipavlovo@mail.ru
Alenovsky S.L., IP	Wood-sawing: saw timber. Lumbering	161404, Vologda obl., Kich-Gorodetsky rayon, pos. Yugsky, ul. Sportivnaya, 23	Tel. +7 (911) 509-60-02, fax +7 (81740) 30-111
Avanta, OOO	Lumbering. Wood-sawing: saw timber	162900, Vologda obl., Vytegra, ul. Lenina, 88, kv. 8	Tel. +7 (921) 827-22-33, rt1602@mail.ru
Babaevsky LPH, OAO	Lumbering	162483, Vologda obl., Babaevo, ul. Mira, 3	Tel. +7 (81743) 211-52, fax +7 (81743) 2-31-48, babaevo_lph@vologda.ru, www.cherles.com
Babushkinsky Union of Entrepreneurs, OOO	Lumbering	161350, Vologda obl., Babushkinsky rayon, s. im. Babushkina, ul. Meliorativnaya, 2A	Tel. +7 (81745) 2-28-45 natmal09@yandex.ru
Balcas, OOO	Wood-sawing: saw timber	161140, Vologda obl., Ust-Kubinsky rayon, s. Ustie, ul. Pervomayskaya, 1	Tel. +7 (81753) 2-11-37, fax +7 (812) 448-52-80 suppliers@balcas.ru
Bars, OOO	Lumbering	161050, Vologda obl., Mezhdurechensky rayon, s. Shuiskoye, ul. Shuya Naberezhnaya, 9, kv. 4	Tel. +7 (921) 536-43-11, avryakin@mail.ru
Belozerskles, OOO	Lumbering: round timber, bold timber, and pulp wood. Woodworking plywood, and matchlog. Wood-sawing: saw timber	161200, Vologda obl., Belozersk, ul. Galanicheva, 21B	Tel. +7 (81756) 222-50, fax +7 (81756) 225-87, belozerskles@vologda.ru
Belozersky LPH, OAO	Lumbering. Wood-sawing: lumber	161200, Vologda obl., Belozersk, ul. 3 Internatsionala, 2	Tel. +7 (81756) 2-26-44, 2-11-45, fax +7 (81756) 2-14-08, pine@vologda.ru
Bely Ruchej, ZAO	Lumbering. Wood-sawing: saw timber	162940, Vologda obl., Vytegorsky rayon, pos. Depo, ul. Sovetskaya, 2	Tel.: +7 (81746) 5-62-65, 5-62-62, 4-55-10, +7 (921) 230-60-80, belruchey@gtel.ru
Bely Ruchej, ZAO	Lumbering. Wood-sawing: saw timber	162940, Vologda obl., Vytegorsky rayon, pos. Depo, ul. Sovetskaya, 2	Tel.: +7 (921) 230-60-80, +7 (817) 465-62-65, belruchel@vologda.ru
Bikom Service, OOO	Wood-sawing: saw timber, and moulded strips	162600, Vologda obl., Cherepovets, ul. Bezymyannaya, 2	Tel. +7 (8202) 28-81-95, info@bikom35.ru, www.bikom35.ru
Biolesprom, OOO	Lumbering. Wood-sawing: saw timber. Bioenergy: fuel granules	162300, Vologda obl., Verkhovazhsky rayon, s. Verkhovazhje, ul. Parkovaya, 24	Tel. +7 (81759) 2-23-37, fax +7 (81759) 2-13-95, kga555@yandex.ru
Bogdanov, I.N., IP	Wood-sawing: saw timber	161343, Vologda obl., Babushkinsky rayon, der. Kulibarovo, 74	Tel. +7 (921) 230-11-88, ivanbog35@mail.ru
Bronzov O.E., IP	Wood-sawing: saw timber	162840, Vologda obl., Ustyuzhna, ul. Krasnoarmeyskaya, 45	Tel. +7 (921) 733-43-35, +7 (921) 250-76-63, agroles35@mail.ru
Chagnar, OOO	Lumbering	162401, Vologda obl., Chagodoschensky rayon, pos. Chagoda, ul. Tsentralnaya, 2	Tel. +7 (81741) 21-195, 2-20-92, chagnar@mail.ru
Cherepovetsles, LKhK, OAO	Lumbering. Wood-sawing: saw timber	162602, Vologda obl., Cherepovets, ul. Lenina, 80	Tel.: +7 (8202) 22-12-30, 221-521, 51-84-53, pisarev@cherles.ru, www.cherles.com
Cherepovets Plywood and Furniture Plant, ZAO	Wood-sawing: saw timber. Woodworking: chipboard, laminated chipboard, and plywood. Furniture production: chairs	162604, Vologda obl., Cherepovets, ul. Proiezzhaya, 4	Tel.: +7 (8202) 29-73-87, 291-696, +7 (921) 252-39-20, vmarkov@bk.ru, www.cfmk.ru
Consolidated House-Building Company, OOO	Wood-sawing: saw timber. Wooden house construction: glulam houses	162560, Vologda obl., Sheksninsky rayon, pos. Sheksna, ul. Shosseinaya, 7	Tel. +7 (81751) 245-982-45-78, myzlesdrev@yandex.ru
Denisov A.V., IP	Lumbering	162273, Vologda obl., Kharovsky rayon, pos. Nizhne-Kubensky, ul. Shkolnaya, 6, kv.1	Tel. +7 (921) 235-08-23

Name	Activity	Address	Contacts
Derussa Plant, OOO	Woodworking: furniture shields, and wall panels. Furniture production: furniture from solid wood. Wooden house construction: houses from round log	162532, Vologda obl., Kaduysky rayon, pos. Khokhlovo, ul. Stroiteley, 23	Tel. +7 (81742) 42-263, 42-181, fax +7 (81742) 42-263, 42-401, info@derussa.ru, www.derussa.ru
Diana Les Export, OOO	Wood-sawing: planed products. Timber and forestry trade	161320, Vologda obl., Totemsky rayon, pos. Sovetsky, ul. Dachnaya, 1A	Tel.: +7 (926) 836-69-33, +7 (921) 713-54-43, +7 (921) 068-23-22, fax +7 (81739) 6-11-89, s-sss@mail.ru, www.diana-les-export.ru
Dvinales, OOO	Lumbering. Wood-sawing: saw timber	162390, Vologda obl., Veliky Ustyug, ul. P.Pokrovskogo, 1	Tel. +7 (81738) 2-25-74, ooodvinales@mail.ru
Filimonkov S.P., IP	Lumbering	162927, Vologda obl., Vytegorsky rayon, pos. Oktyabrsky, ul. Nizhnaya Naberezhnaya, 1A	Tel. +7 (81746) 583-94, 911-526-59-54, filimonkov61@mail.ru
Gorod Masterov, OOO	Wood-sawing: saw timber	160509, Vologda obl., Vologodsky rayon, pos. Gribkovo, ul. Vostochnaya, 6	Tel. +7 (921) 060-32-22, master-gorod@mail.ru
Investlesprom, ZAO	Lumbering. Wood-sawing. Woodworking. Pulp-and-paper. Wooden house construction	160000, Vologda, PO Box 43	Tel.: +7 (8172) 75-28-63, 75-28-23, fax +7 (8172) 75-29-08, www.investlesprom.ru
Ivanov O.L., IP	Lumbering. Wood-sawing: saw timber. Woodworking	162160, Vologda obl., Vozhegodsky rayon, pos. Vozhega, Oktyabrsky per., 17	Tel.: +7 (921) 231-48-84, +7 (81744) 2-11-11, fax +7 (81744) 2-32-32, proforest@vologda.ru
Kadujsky Plywood Mill, OOO	Woodworking plywood	162510, Vologda obl., Kaduysky rayon, pos. Kaduj, ul. Zapadnaya, 4	Tel.: +7 (81742) 2-11-80, 2-11-32, kfk.office@yandex.ru
Kharovsklesprom, OOO	Wood-sawing: wooden chips, and saw timber. Furniture production. Woodworking	162251, Vologda obl., Kharovsk, ul. Krasnogo Znameni, 25	Tel. +7 (81732) 551-32, fax +7 (81732) 2-20-71, mail@khlp.ru, www.khlp.ru
Kharovsk Sleeper Impregnation Plant, Filial TBS, OAO	Woodworking: sleepers	162250, Vologda obl., Kharovsk, ul. Lenina, 74	Tel. +7 (81732) 2-13-71, 2-17-35, fax +7 (81732) 2-15-73, harspz2008@mail.ru
Khokhlov A.N., IP	Wood-sawing: saw timber. Wooden house construction: frameworks from round log	162000, Vologda obl., Gryazovets, ul. Mira, 11	Tel.: +7 (81755) 2-16-51, 2-17-56, +7 (911) 510-89-21, snabteh@vologda.ru
Kholbit, OOO	Lumbering. Wood-sawing: saw timber	160017, Vologda, ul. Leningradskaya, 71/3, DC Parus, office 809	Tel. +7 (8172) 52-96-29, +7 (921) 722-81-35, holbit@mail.ru
Khrapov U.N., IP	Woodworking	161383, Vologda obl., Nyuksensky rayon, s. Gorodischna, ul. Pervomayskaya, 34, kv. 4	Tel. +7 (931) 500-46-84
Kipelovo, LPK, OAO	Lumbering	160035, Vologda, ul. Kozlionskaya, 42, office 501	Tel.: +7 (8172) 72-48-20, 72-02-54, fax +7 (8172) 72-37-35, krybanov@kfe.vologda.ru
Kirillovsky LPH, OOO	Lumbering	161100, Vologda obl., Kirillov, ul. Gagarina, 111	Tel. +7 (81757) 3-1518, 3-1245
Kolos, OOO	Lumbering. Wood-sawing: saw timber	162302, Vologda obl., Verkhovazhsky rayon, s. Morozovo, ul. Mira, 4	Tel. +7 (81759) 3-21-40, kolosmoroz@yandex.ru
Komela Les, OOO	Lumbering	162030, Vologda obl., Gryazovetsky rayon, der. Krivodino, ul. Komelskaya, 6	Tel. +7 (911) 447-43-76
Koskisolva, OOO	Wood-sawing: saw timber	162560, Vologda obl., Sheksninsky rayon, pos. Sheksna, ul. Promishlennaya, 2	Tel. +7 (81751) 21-6-04, koskisolva@koskisolva.ru
Krona-M, OOO	Lumbering. Wood-sawing: saw timber	161340, Vologda obl., Babushkinsky rayon, s. Minkovo, ul. Sovetskaya, 10	Tel. +7 (911) 443-41-12, pavel230161@yandex.ru
Lait, PKP, OOO	Wooden house construction: glulam houses, and fabricated wooden houses. Woodworking: sash pulleys, doorsets, and stairs. Wood-sawing: moulded strips	162612, Vologda obl., Cherepovets, ul. Belinskogo, 45, kv, 72	Tel. +7 (8202) 54-44-45, 62-40-42, puhalev@rambler.ru, www.lait.ru
LDK-2, OOO	Wood-sawing: saw timber	162900, Vologda obl., Vytegra, PO Box 8	Tel. +7 (81746) 2-39-27, fax +7 (81746) 2-19-60, ldk-2@yandex.ru, www.volwood.ru
Lespromcentr, OOO	Wood-sawing: moulded strips	162139, Vologda obl., Sokol, ul. Sovkhoznaya, 10A	Tel./fax +7 (81733) 3-53-20, Tel. +7 (911) 922-94-91, lespromcentr@mail.ru
Lesprom, OOO	Lumbering	162401, Vologda obl., Chagodoschinsky rayon, pos. Chagoda, ul. Cherny Ruchey, 1A	Tel. +7 (81741) 2-11-52

Name	Activity	Address	Contacts
Lespromsever, OOO	Lumbering. Wood-sawing: saw timber. Bioenergy: wooden fuel granules	162300, Vologda obl., Verkhovazhsky rayon, s. Verkhovazhye, ul. Parkovaya, 24	Tel.: +7 (81759) 213-95, 729-676, s_malkov@aha.ru
Lider, OOO	Lumbering. Wood-sawing: saw timber	162480, Vologda obl., Babevo, ul. Sovetskaya, 36	Tel. +7 (81743) 2-19-23, lider12297@yandex.ru
Makartsevo-Les, OOO	Lumbering	162300, Vologda obl., Verkhovazhsky rayon, s. Verkhovazhye, ul. Oktyabrskaya, 10	Tel. +7 (81759) 21-171, mak-les@volgda.ru
Mega, ZAO	Lumbering. Woodworking: plywood. Wood-sawing: saw timber	161400, Vologda obl., Kimchensky Gorodok, ul. Lesnaya, 7	Tel. +7 (81740) 22-693, 2-12-00, mega@vologda.ru
Nikolsky Les, OOO	Wood-sawing: saw timber	161440, Vologda obl., Nikolsk, ul. Lenina, 12	Tel./fax +7 (81754) 21835, Tel. +7 (921) 714-51-26, sevles95@yandex.ru
Novatorsky LPK, OAO	Lumbering. Woodworking: coniferous, and deciduous whips, bold timber, and plywood. Wood-sawing: coniferous, and deciduous pulp wood. Wooden house construction	162390, Vologda obl., Velikiy Ustyug, ul. Vinogradova, 4	Tel. +7 (81738) 2-29-14, 2-34-58, fax +7 (81738) 2-13-50, 23556, info@nlpk.ru, www.nlpk.ru
Novator, Velikoustyugsky Plywood Mill, OAO	Woodworking: plywood	162350, Vologda obl., Velikoustyugsky rayon, pos. Novator	Tel. +7 (81738) 71-267, fax +7 (81738) 71-202, office@fknovator.ru, www.sveza.ru
NTKK, NTD, OOO	Wood-sawing: moulded strips. Woodworking: glulam. Wooden house construction: houses from round log	160530, Vologda obl., Vologodsky rayon, pos. Dorozhniy	Tel. +7 (8172) 72-05-63, 55-33-56, Tel./fax +7 (8172) 72-37-24, info@rusvilla.com, www.rusvilla.com
Odintsov A.A., IP	Lumbering. Wood-sawing: saw timber	161564, Vologda obl., Tarnogsky rayon, der. Stepanovskoye, 42	Tel. +7 (921) 532-09-78
Onegalesprom, ZAO	Lumbering	162900, Vologda obl., Vytegra, Leningradsky trakt, 26	Tel. +7 (81746) 2-37-56, fax +7 (81746) 2-13-87
Patriot, OOO	Lumbering	162390, Vologda obl., Velikiy Ustyug, ul. A. Uglovskogo, 3	Tel. +7 (81738) 2-58-47, patriot-vy@bk.ru
Peshkov I.V., IP	Bioenergy: wooden fuel briquettes. Wood-sawing: moulded strips. Woodworking furniture schield. Wooden house construction: houses from round log	161560, Vologda obl., Tarnogsky rayon, s. Tarnogsky Gorodok, ul. Zavodskaya, 45	Tel. +7 (81748) 2-29-39, +7 (921) 232-72-12, i.peshkov@vologda.ru
Podshivalov S.A., IP	Wooden house construction: houses from solid wood	150000, Vologda obl., Vologodsky rayon, pos. Semenkovo, ul. Pervomayskaya, 7Б, kv. 15	Tel. +7 (953) 523-44-66
Premium-Les, OOO	Wood-sawing: saw timber, planed products	162341, Vologda obl., Velikoustyugsky rayon, Krasavino, ul. Vokzalnaya, 15	Tel. +7 (81738) 4-25-77, 4-23-16, 4-25-75, fax +7 (81738) 4-19-06, glebov35@mail.ru, www.premles.nm.ru
Ra-2, OOO	Wood-sawing: saw timber	162610, Vologda obl., Cherepovets, ul. Lenina, 131, kv. 16	Tel. +7 (911) 508-72-98, +7 (8202) 57-24-91, ra2@inbox.ru
Region Les, OOO	Wood-sawing: saw timber, and moulded strips	162611, Vologda obl., Cherepovets, ul. Babushkina, 15	Tel. +7 (8202) 57-97-85, regionles_2009@mail.ru, www.regionles35.ru
S-Drev, OOO	Woodworking: shaped plank, glued shields, and floor surface. Furniture production: furniture from glued shield	162139, Vologda obl., Sokol, ul. Gidroliznaya, 388	Tel. +7 (81733) 21-258, 25-396, fax +7 (81733) 2-14-94, s-drev@vologda.ru
Severles, OOO	Lumbering	162456, Vologda obl., Babaevsky rayon, der. Aleksandrovskaya, 42/2	Tel. +7 (81743) 5-31-34, salma08@mail.ru
Severlesprom, ZAO	Lumbering	162900, Vologda obl., Vytegra, Leningradsky trakt, 32	Tel. +7 (817-46) 2-17-11, 2-39-35, fax +7 (817-46) 2-39-43, ndanilejan@slp.vologda.ru
Severlesservice, OOO	Lumbering	162603, Vologda obl., Cherepovets, ul. Krasnodontsev, 3, office 413	Tel./fax +7 (8202) 49-00-94, tel. +7 (8202) 54-61-78, 54-21-64, 3@dmscom.ru
Severstal-Mebel, OOO	Furniture production: furniture based on metallic framework	162600, Vologda obl., Cherepovets, Sovetsky pr., 35	Tel. +7 (8202) 51-76-70, 51-72-21, 51-74-74 gusev@mebel.net, www.mebel.net
Sheksninsky KDP, OOO	Wood-sawing: saw timber. Woodworking chipboard, laminated chipboard, and fiberboard	162562, Vologda obl., Sheksninsky rayon, pos. Sheksna-2, ul. Pervomayskaya, 22	Tel. +7 (81751) 2-39-55, 2-95-41, skdp@vologda.ru, www.skdp.ru
Shumova L.A., IP	Lumbering. Wood-sawing: saw timber	161360, Vologda obl., Babushkinsky rayon, s. im. Babushkina, ul. Nizhnaya Podrechnaya, 50, kv.2	Tel. +7 (921) 068-84-04

Name	Activity	Address	Contacts
Sivec, OOO	Lumbering. Wood-sawing: saw timber	162512, Vologda obl., Kaduysky rayon, pos. Kaduy, ul. Lescheva, 24	Tel./fax +7 (81742) 2-15-66, 2-13-16, oosivec@rambler.ru
Sokol DOK, OAO	Wooden house construction: fabricated wooden houses, and timber houses. Woodworking: sash pulleys, and doorsets. Wood-sawing: moulded strips, and planed products	162132, Vologda obl., Sokol, ul. Lugovaya, 1	Tel. +7 (817-33) 3-37-72, fax +7 (817-33) 3-36-46, sdok@sdok.vologda.ru, www.sokoldok.ru
Sokol Forest-Industrial Company, GK	Woodworking: furniture shields. Wood-sawing: moulded strips	162132, Vologda obl., Sokol, ul. Vologodskaya, 12A	Tel. +7 (81733) 33-838, 34-411, 34-497, 33-533, igordubin@yandex.ru
Sokolleskom, OOO	Woodworking: stairs, pillars, balusters, handrails, moldings on string, and doorsets	162130, Vologda obl., Sokol, ul. Sovetskaya, 71-95	Tel./fax +7 (81733) 4-44-94, tel. +7 (921) 235-57-88, slc35@list.ru, www.slc35.ru
Sokol PPM, OAO	Pulp-and-paper: paper, and cardboard	162130, Vologda obl., Sokol, Sovetsky pr., 8	Tel. +7 (81733) 92-100, 92-662, 92-455, 92-583, fax: +7 (81733) 222-44, 2-37-83, 2-37-87, delo@sokolmill.ru, www.sokolmill.ru
Soldek, OAO	Wood-sawing: saw timber. Woodworking.	162132, Vologda obl., Sokol, ul. Zavodskaya, 6	Tel. +7 (911) 511-13-16, tel./fax +7 (81733) 3-36-70, 3-36-96, soldek@vologda.ru
Sotameko-Plus, OOO	Woodworking: plywood	162139, Vologda obl., Sokol, ul. Mamontova, 6	Tel. +7 (81733) 35-096, fax +7 (81733) 35-489, vdorchkov@mail.ru, www.sotameko.com
Stora Enso Forest Vest, OOO	Pulp-and-paper: corrugated cardboard, and packing	160035, Vologda, ul. Lermontova, 15	Tel. +7 (8172) 721-750, fax +7 (8172) 721-736, nikolay.grigoriev@storaenso.com, www.storaenso.com
Suda, ZAO	Wood-sawing: saw timber. Woodworking	162460, Vologda obl., Babevsky rayon, s. Borisovo-Sudskoye, ul. Lesnaya, 45	Tel./fax +7 (81743)4-13-01, Tel. +7 (921) 055-99-81, sudales@inbox.ru
Sukhonsky PPM, OOO	Pulp-and-paper: corrugated paper, cardboard, and fiberboard	162135, Vologda obl., Sokol, ul. Sovetskaya, 129	Tel. +7 (81733) 3-26-87, fax +7 (81733) 3-18-92, scbk@suhona.com
Syamzhensky LPH, OAO	Lumbering	162220, Vologda obl., Syamzhensky rayon, s. Syamzha, ul. Koltsevaya, 7A	Tel. +7 (81752) 2-21-99 Fax: +7 (81752) 2-15-82, 2-18-55, bokarev3516@yandex.ru
Tolshmenskoye, OOO	Lumbering. Wood-sawing: saw timber. Wooden house construction. Forestry	161326, Vologda obl., Totemsky rayon, s. Uspenie. Ul. Tsentralnaya, 20	Tel. +7 (8172) 27-09-06, +7 (921) 531-19-10, totma_forest@mail.ru
Vaganov S.N., IP	Wood-sawing: saw timber	162002, Vologda obl., Gryazovetsky rayon, der. Dvorets, 5	Tel. +7 (960) 291-07-89
Vashkinsky LPH, OAO	Lumbering	161250, Vologda obl., Lipin Bor, ul. Pionerskaya, 11	Tel. +7 (81758) 2-13-09, 2-13-35, 2-14-02, vashki@cherles.ru, www.cherles.com
Verkhovazhjeles, OOO	Lumbering. Wood-sawing: saw timber	162300, Vologda obl., Verkhovazhsky rayon, s. Verkhovazhje, ul. Stebeneva, 2	Tel. +7 (81759) 2-18-34, 217-00, 2-12-91, ann601@rambler.ru
Vokhtozhsky DOK, OOO	Woodworking: chipboards	162740, Vologda obl., Gryazovetsky rayon, pos. Vokhtoga, ul. Zheleznodorozhnaya, 83	Tel. +7 (81755) 3-28-26, 3-15-19, 3-14-65, 3-11-84, +7 (964) 669-12-24, monzadok@monzadok.com, www.monzadok.com
Vologdalesprom, Corporation, OAO	Lumbering: round timber, bold timber, and pulp wood. Woodworking: plywood. Wood-sawing: saw timber	160035, Vologda, ul. Lermontova, 15	Tel. +7 (8172) 72-51-07, 72-8901, vkles@vologda.ru, www.vologdalesprom.ru
Vologodskiye Lesopromyshlenniki, HK, ZAO	Lumbering. Wood-sawing: saw timber, joinery, and moulded strips. Woodworking: sash pulleys, doorsets, fiberboards, and birch glued shields	160004, Vologda, ul. Blagoveschenskaya, 47	Tel. +7 (8172) 72-88-18, 72-88-95, 25-20-89, info@volwood.ru, www.volwood.ru
Vozhega-Les, ZAO	Lumbering. Wood-sawing: saw timber	162150, Vologda obl., Vozhegodsky rayon, pos. Kadnikovsky, ul. Gorkogo, 6	Tel./fax +7 (817-44) 6-23-34, Tel.: +7 (817-44) 6-23-75, 6-24-90, vojega.les@vologda.ru
Yuglesprom, OOO	Lumbering. Wood-sawing: saw timber	161401, Vologda obl., Kichmengsky Gorodok, ul. Zarechnaya, 107	Tel.: +7 (81740) 22-196, 2-16-27, yugleskg@mail.ru
Zelinsky P.E. IP	Woodworking: art processing	162574, Vologda obl., Sheksninsky rayon, der. Sizma, ul. Lenina, 15	Tel. +7 (921) 120-25-92, pavelzelinskij@yandex.ru
Zavod KDK, OOO	Wood-sawing: saw timber, and moulded strips. Wooden house construction: glulam houses. Woodworking: glulam, sash pulleys, and doorsets	160012, Vologda, ul. Turundaevskaya, 126	Tel. +7 (8172) 21-62-84, 21-63-19, info@zavodkdk.ru, sbit@zavodkdk.ru, www.zavodkdk.ru

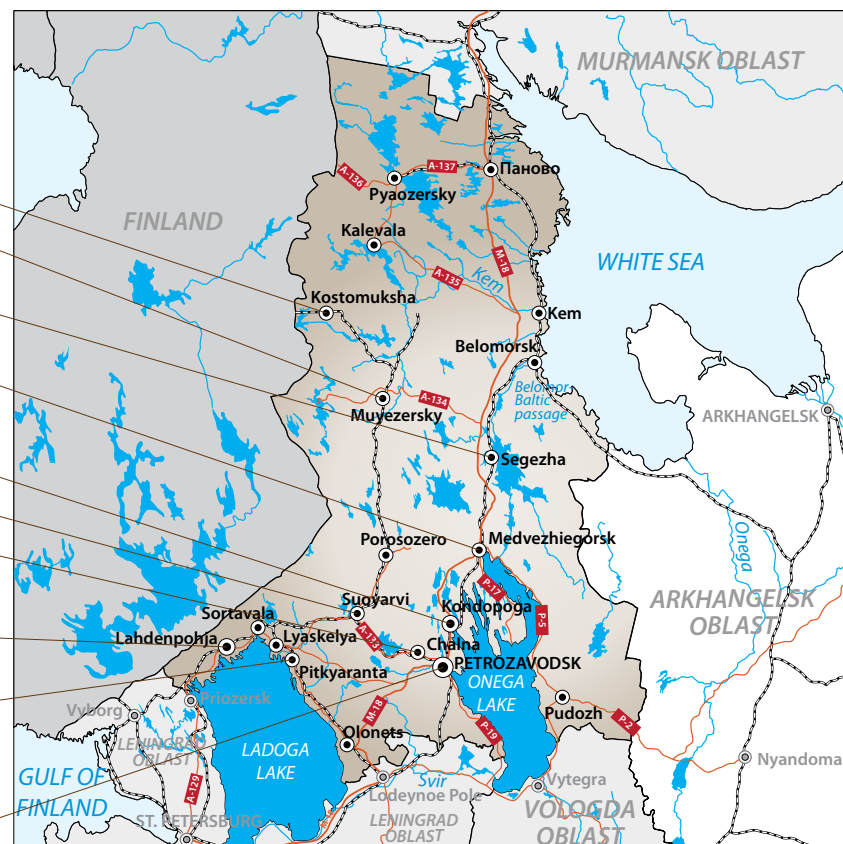
On the coast of the White Sea

The republic of Karelia plays a role as the western outpost of Russia

In 2010, the Republic of Karelia (RK) celebrated its 90th anniversary: in June 1920, the region, which was newly formed from the territory of the former Olonets "guberniya", was then named the "Karelian labor commune".

Large-scale enterprises of the Republic of Karelia

Kostomuksha Building Company, OOO
Swedwood Karelia, OOO
Volomsky LPKh Leskarel, OAO
Segezhsky LDK, OOO
Segezhsky PPM, OAO
Karelia Chipboard, OOO
Medvezhiegorsky LPKh, OOO
Kondopoga, OAO
Kondopoga Timber-Industrial Forestry, OAO
Zapkareles, ZAO
Shuyales, ZAO
Lakhdenpohksky Lespromkhoz, OAO
Lakhdenpohksky Plywood Mill Bumex, OOO
Ladens, OAO
Setles, OOO
Investlesprom, ZAO
Karelesprom LKh K, OAO
KProfil Dom, OOO
Solomenskiy Lesozavod, ZAO



The area of the region is 180,500 km², with a length from north to south of 660 km, and 424 km from west to east. The length of the state border (which borders with Finland in the west) is 798 km.

The capital of Karelia, Petrozavodsk, has a population of 270,600 people, and is 925 km from Moscow. There are a total of 808 inhabited settlements in the region, including 13 cities.

The population of the republic is around 684,000 people, of whom 76% live in urban areas. The average age of the inhabitants of Karelia is 38.5 years old.

Karelia is a multi-ethnic region, where representatives of 213 ethnic groups live. Karelian, Finnish and Veps have the status of national languages, alongside Russian.

CLIMATE

The climate of Karelia (which is transitional from maritime to continental) is formed under the influence of the North Atlantic and Arctic oceans on the one hand, and the warm current of the Gulf Stream on the other. Thus the climate is considerably milder than in other Russian regions located at the same latitude, and the weather can be rather changeable.

The region is characterized by a lengthy snowy winter but without severe sub-zero conditions. The average monthly temperature in January and February is relatively high at -9°C. However, Arctic air masses may depress temperatures to as low as -30 to -35°C degrees in the region. Snowstorms and blizzards are common in February. In northern regions, snow starts falling as early as September, and by the second half of November, snow cover is established everywhere. It can last from 160 to 190 days, while its average depth does not usually exceed 70 cm. However, in especially snowy winters this depth can reach 110 cm.

Ice on rivers and lakes begins to break in March, but will not completely disappear until mid-May.

The Karelian summer is short, cool and very rainy. Frost can be common in June. Hot weather is rare in Karelia and lasts for a short time – two to three weeks in the southern regions, and not every year. The warmest month is July, when the average temperature is +16°C, and the maximum is +36°C.

The level of precipitation in Karelia is around 500 mm a year. August sees the heaviest rainfalls.

As for other northern regions, Karelia is characterized by drastic changes in the length of daylight. It is shortest in December – from 4 hours in the Near Arctic to 6 hours in the south. And in June and July, there are "white nights" when the sun barely sets.

NATURE

Karelia is often called a land of lakes and rivers, and a quarter of the republic is made up of bodies of water, with more than 61,000 lakes and 26,700 rivers. The largest lakes are Lake Ladoga (17,700 km²) and Lake Onega (9,900 km²), which are the two largest lakes in Europe. The largest rivers in the republic are the Vodla, Vyg, Kovda, Kem, Suna and Shuya rivers.

The formation of the geographical relief of Karelia was strongly influenced by a glacier which, as it receded to the north, "scratched" the territory of the region and left characteristic hills, ridges and hollows. The landscape primarily consists of a hilly plain, which in the west turns into the West Karelian plateau.

The highest point in the Republic of Karelia is the hill of Nuorunen (577 m), located in the Loukhsky region in the Paanajarvi National Park. One the steep slopes of this park, one can encounter unusual "hanging" swamps – one of the local sights.

The flora and fauna of Karelia are, by global standards, relatively young, and were formed 10-15,000 years ago. Coniferous forests of pine and fir predominate. Small-leaved species of tree include birch, aspen and alder, and around 85% of the region is covered in forest.

MINERALS

According to data from the government of the Republic of Karelia, more than 400 deposits and ore of around 50 types of minerals have been found. The republic accounts for 10% of the iron ore mined in the Russian Federation. Also represented are titano-magnetites, non-ferrous and rare metals, and uranium.

Deposits of non-metallic raw materials – muscovite, pegmatite, quartzite, kyanite, and non-ore raw materials such as building and ornamental stone, shungite, sands and clay, are present in the region.

There are large supplies of peat in Karelia, which in recent years has been increasingly examined by authorities in the republic as a reserve energy source.

There are also 98 registered sites on the list of gold deposits.

TRANSPORT

The composition and state of the transport network in Karelia is in many ways conditioned by the fact that transit routes pass through the republic, linking industrially developed regions in the rest of Russia with the northern port of Murmansk, and also those that connect to Finland and other European countries.

The basis of the Karelian transport network is the railway and such lines pass through the republic in the direction of Murmansk, St. Petersburg and Helsinki. The operational length of electrified railroads increases every year, and railway transport accounts for around 80% of cargo transported in Karelia.

The vehicular road network in Karelia does not branch out from the main routes because of low population density in the region. A significant proportion of the roads that they are do not have hard surfaces. The length of vehicular roads in the republic totals 12,463 km. Two major projects are contributing to the further development of the road network in Karelia: the Murmansk–Petrozavodsk–St. Petersburg–Novgorod–Tver–Moscow–Tula–Voronezh–Rostov-on-Don–Krasnodar–Novorossiysk–Sochi highway and the St. Petersburg–Kargopol–Kotlas–Syktyvkar–Kudymkar–Perm highway, with an access road traversing the Pudozh–Medvezhegorsk–Kostomuksha–Finland route.

There are three airports, three aerodromes, eleven runways and a heliport in Karelia, and the Petrozavodsk airport has international connections. Air transport accounts for a small percentage of transport services at present, but the government of the republic is trying to devote attention to developing air transportation, as well as shipping. The local lakes, rivers and canals form a many-branched water transport network. Additionally, the Belomor-Baltic canal, which passes through the republic, links the Baltic and the White Seas. Water routes make it possible to travel from St. Petersburg via the Baltic Sea, Lake Ladoga and Lake Onega to the White Sea, and from there to the Barents Sea, or south, to the Black Sea. In 2008, a project was launched in the republic to build a trade port in the city of Belomorsk, the realization of which will make it possible to receive ships with a displacement volume of up to 30,000 tons.

ECONOMY

The industrial base of Karelia is wood and mineral processing. Accordingly, the main fields are felling, wood processing and pulp-and-paper – together, these account for 41.2% of total industrial output. Meanwhile, ferrous metallurgy accounts for 18%, electrical energy for 14.8%, machine building, and metal processing, non-ferrous metallurgy and the food industry for 5-9%. The main industrial centres are the cities of Petrozavodsk, Kondopoga, Segezha, Kostomuksha and Pitkyaranta.

The economy of Karelia maintains an export focus due to its border location. Measured by the geography of foreign economic ties and export volume per head of population, the republic is among the leading regions of Russia. Fifty percent (and in some industries 100%) of production is

Growth dynamic of the Karelian forestry complex in 1990-2011

	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Production of sawn materials, thou. m³	2,003.5	874.2	887.7	804.5	720.8	741	778.3	793.2	788	837.4	676	641	714	670.8
Production of pulp, thou. t	765.7	324.3	382.2	408.9	405.3	429.8	413.5	484.7	496.7	508.2	105.4	94	92.3	90.7
Production of paper and cardboard, thou. t	1,272.9	641.1	769.2	782.2	774.2	823.8	917.2	1,007.4	1,044.9	1047.1	1031.9	1018.2	1,027.7	998.6

sent abroad, and a full third of foreign economic activity is accounted for by Finland.

FORESTRY RESOURCE

According to data from the Karelian Ministry of Natural Resources and the Ecology, the total area of forested lands is around 19.9 million hectares.

The total mean increment of timber is around 14 million m³.

The calculated yield of Karelia is around 11.3 million m³ of timber, and on average 70% of it is utilized.

The density of forest roads in Karelia is 1.84 km per 1,000 hectares – a little higher than the average for Russia, but much lower than in next-door Finland.

Supplies of timber in Karelia are distributed unequally. Total supplies of timber and their annual growth increases as one moves from the north-east to the south-west of the republic. The main percentage of actively exploited forests is concentrated in the central and southern part of Karelia. These forests, which occupy a quarter of the entire forested area of the region, provide almost 40% of timber supplies.

The main coniferous species are common pine and common fir. Hardwood species include downy birch, silver birch, aspen and black alder. In South Karelia, there are areas of broadleaved species including linden, elm, maple and common alder.

Distribution of forested lands by predominant species: pine 65%, fir 23%, beech 11%, and other timber species 1% (according to the Ministry of Natural Resources and the Ecology of the Republic of Karelia).

As a result of the intensive exploitation of its accessible part, the Karelian forest, both economically and transport-wise, has undergone considerable changes, with a drop in the percentage of mature and over-mature forest. At present, young trees (36%) predominate, while mature and overmature (33%) and relatively small areas of middle-aged trees (22%) and trees approaching maturity (17%) account for the rest. The low percentage of trees approaching maturity is already one of the main causes of the trend for the drop in logging. Of increasing importance, additionally, is the problem of an increasing percentage of soft-leaved trees in zones where there is intensive logging, as this type

of timber goes practically unprocessed in the republic. Exporting it abroad was until recently hindered by protective customs duties. Russia’s entry into the WTO theoretically removes this barrier, but when it was in force forest enterprises in countries that formerly imported Karelian timber reorganized their system of providing raw materials, and so there are no grounds to expect a significant improvement in the trade situation in the near future.

As a result, despite the enormous supplies of timber, the region, paradoxically enough, has a deficit of timber: around 40% of the processed coniferous balance is delivered to the pulp-and-paper enterprises of Karelia from neighboring regions.

According to specialists at the Karelian Ministry of Natural Resources and the Ecology logging must be developed in the northern regions of the republic in the next 25–30 years. However, today the situation is such that logging in the north is unattractive for the forestry business, and not only because of the poor accessibility to the forests. The huge number of bodies of water and swamps, and the cold climate, have a considerable influence on the quality of forest harvests, and according to many experts one should not expect an intensification of logging in this region.

The authorities of the republic are currently in active discussions with representatives of the forestry business about a pilot project in Karelia to move to intensive logging, the like of which is used successfully in Sweden and Finland. While business representatives have shown that they are prepared to support this initiative, under the existing rules of logging forestry enterprises find themselves without a raw materials base. The intensive model of logging goes against current federal forestry legislation in Russia, and so the authorities of the region are proposing to lobby for special forest use rules for Karelia at the federal level.

FORESTRY COMPLEX

Despite the 4 billion rubles invested in the forestry complex of Karelia, 2012 was very difficult for the republic. In 2012, the main wood processing plants suspended activities, and logging dropped by 6%. According to data from the Federal State Statistic Service, the volume of production of unprocessed timber dropped by almost 11% in the republic, one of the worst indicators in the country. Among the

causes for the drop in volumes of logging, experts name a swift drop in the quality of forest crops in economically accessible regions, and also delays in processing enterprises settling accounts with logging operators. As a result, the growth rates of production of timber have fallen, and a slump in the forestry industry can be seen in almost all relevant indicators.

The forestry complex of Karelia is currently in a profound crisis. This has been the case for several years. The primary reason for this is said to be the unstable situation in European markets, to where enterprises in the republic export their products. Another significant factor is the complex situation of providing enterprises with raw materials. As previously stated, the local forest industry is primarily focused on processing coniferous timber. With actual volumes of logging at a level of 8.28 million m³, almost half of the coniferous balance consumed is purchased by enterprises in the republic outside the region. A similar situation can also be seen with lumber logs. Intensive logging in the mid-20th Century undermined the raw material base of the forestry complex of the republic, and 20% of the calculated yield today consists of beech and aspen – around 2 million cubic meters. This is quite a respectable figure, especially in comparison with other forested regions in Russia, but in a situation where the republic lacks the facilities to process softwood timber, this amount has become a problem: conditions for clear felling, set out in the Forestry Code of the Russian Federation, require all timber to be taken away from the felling area.

Even if Karelia is able to increase the volume of logging to 10 million cubic meters, its pulp-and-paper and woodworking plants, and also numerous sawmills working at full capacity, would still experience a deficit in coniferous timber, and they would have to import it from other regions. There is a hope that the problem of recycling low-quality hardwood timber will be partially solved by a major OSB plant in Petrozavodsk, due to begin operation in 2013. When it reaches full capacity, the plant will be able to process up to 1 million m³ of round timber, including beech and aspen.

But the reduction of export duties on round timber as part of measures connected with Russia’s entry to the WTO has not yet had any visible effect.

Oleg PRUDNIKOV

Republic of Karelia government authorities responsible for timber industry regulation

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Tel. +7 (814) 279- 93-09, fax +7 (814) 279-93-91
government@karelia.ru, www.gov.karelia.ru

Ministry of Natural Resources and the Ecology
Minister Chikalyuk Viktor Fyodorovich
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www.gov.karelia.ru

Enterprises of the forestry industry of the Republic of Karelia

Name	Activity	Address	Contacts
Agrovodsnab, 000	Wood-sawing: saw timber. Lumbering	185509, Republic of Karelia, Prionezhsky rayon, pos. Meliorativny, ul. Lesnaya, 2	Tel./fax +7 (8142) 78-78-76, 78-78-75, agrovodsnab@onego.ru
Areal, 000	Lumbering. Wood-sawing: saw timber	186870, Republic of Karelia, Suojarvi, ul. Tikilainena, 9A	Tel. +7 (81457) 5-11-67, 5-11-25, areal@onego.ru
Argus-Onego, 000	Lumbering	185034, Republic of Karelia, Petrozavodsk, proezd Tidenä, 1	Tel. +7 (921) 529-00-01, argu@onego.ru
Astar, 000	Wood-sawing: saw timber	185034, Republic of Karelia, Petrozavodsk, ul. Onezhskoy Flotilii, 1	Tel./fax +7 (8142) 59-26-73, pk-astar@sampo.ru
Avgust, 000	Wooden house construction: houses from round log	185030, Republic of Karelia, Petrozavodsk, pr. A. Nevskogo, 54, office 19	Tel. +7 (8142) 56-20-79, avgust.dkm@onego.ru
Blockhouse Service, 000	Wooden house construction: houses from round log	185000, Republic of Karelia, Petrozavodsk, ul. Zavodskaya, 4	Tel./fax +7 (8142) 74-59-10, weo@sampo.ru
Deja-Les, 000	Wood-sawing: saw timber	185013, Republic of Karelia, Petrozavodsk, Shuyskoye shosse, 12B	Tel./fax +7 (8142) 63-33-90, deja-les@yandex.ru
Eurolesprom, 000	Wood-sawing: saw timber	185005, Republic of Karelia, Petrozavodsk, nab. Gyullinga, 11	Tel. +7 (8142) 57-17-05, elp@karelia.ru
Fabrika Scandia, 000	Furniture production: case goods furniture	185031, Republic of Karelia, Petrozavodsk, ul. Fabrichnaya, 5	Tel. +7 (8142) 742-201, fax +7 (8142) 741-870, karela1@onego.ru, www.skandia-mebel.com
Format Furniture Group, 000	Furniture production: casegoods furniture	185030, Republic of Karelia, Petrozavodsk, pr. A. Nevskogo, 63	Tel. +7 (8142) 57-51-91, 911-411-90-66, newformat@bk.ru
Imexles, ZAO	Wood-sawing: saw timber. Wooden house construction: houses from round log	185005, Republic of Karelia, Petrozavodsk, ul. Radischeva, 7	Tel. +7 (8142) 73-33-82, 73-33-74, imexles@onego.ru
Inkod, 000	Wooden house construction: pre-fabricated houses	186930, Republic of Karelia, Kostomuksha, ul. Pozharnogo Semionova, 12	Tel. +7 (814-59) 7-02-59, 7-77-65, inkodspb@yandex.ru, www.inkod.ru
Investlesprom, Territorial Department in Republic of Karelia, ZAO	Wood-sawing. Lumbering. Woodworking. Pulp-and-paper	185011, Republic of Karelia, Petrozavodsk, ul. Lyzhnaya, 2B, office 206	Tel. +7 (8142) 59-41-06, 76-51-08, 76-51-09, fax +7 (8142) 76-51-10, mukhina_nv@investlesprom.ru, www.investlesprom.ru
Ivaldi (Gunin A.A., IP)	Furniture production: casegoods furniture	185030, Republic of Karelia, Petrozavodsk, pr. A. Nevskogo, 62	Tel./fax +7 (8142) 57-03-59, ivaldi-mebel@yandex.ru
Kalevala DOK, 000	Woodworking: OSB	185000, Petrozavodsk, Shuyskoye shosse Correspondence address: 192102, St. Petersburg, ul. Fuchika, 4	Tel. +7 (812) 774-71-20, 774-73-90, 705-23-62, evt@kalevalaosb.ru
Karelia Chipboard, 000	Woodworking: laminated chipboard, and chipboard	186323, Republic of Karelia, Medvezhiegorsky rayon, pos. Pindushi, ul. Kanifolnaya, 5	Tel. +7 (81434) 50-202, +7 (499) 418-00-51, secretary@kareliadsp.onego.ru, www.investlesprom.ru
Karelles, 000	Wood-sawing: saw timber	186225, Republic of Karelia, Kondopoga, ul. Proletarskaya, 43	Tel./fax +7 (81451) 7-31-59, lespromkond@yandex.ru
Karellesprom LKhK, OAO	Lumbering	185035, Republic of Karelia, Petrozavodsk, ul. Andropova, 2/24	Tel./fax +7 (8142) 71-75-60, swles@lesprom.karelia.ru, www.karellesprom.ru

Name	Activity	Address	Contacts
Karelsky Dom, Company, 000	Wooden house construction: glulam houses	185013, Republic of Karelia, Petrozavodsk, ul. Pogranichnaya, 22	Tel. +7 (8142) 59 26 96, fax +7 (8142) 59 28 83, ssbrusdom@gmail.com, www.karelianhouse.ru
Karjalan Puutuote, 000	Wooden house construction: houses from round log	185505, Republic of Karelia, Prionezhsky rayon, st. Shuyskaya, ul. Lesnaya, 1	Tel./fax +7 (814-2) 78-91-96, padosles@onego.ru
Karlis-Prom, ZAO	Wood-sawing: saw timber	186757, Republic of Karelia, Sortavala, pos. Wartsila, ul. Stroiteley, 9	Tel./fax +7 (81430) 32-121, tel. +7 (921) 800-81-61, sergei.pilygin@fmttimberteam.fi
Key Forest, ZAO	Wood-sawing: saw timber	186790, Republic of Karelia, Sortavala, ul. 40 Let VLKSM, 19, office 310	Tel./fax +7 (81430) 2-50-39, kforest@rkmail.ru
Kharvi SeverLes, 000	Lumbering	185005, Republic of Karelia, Petrozavodsk, nab. Gyullinga, 11	Tel. +7 (8142) 790-920, 921-454-67-22, hforester@mail.ru
Kiprej, 000	Lumbering. Wood-sawing: saw timber	185005, Republic of Karelia, Petrozavodsk, ul. Onezhskoy Flotilii, 9	Tel./fax +7 (8142) 73-13-44, kiprej@onego.ru
Kometek, 000	Lumbering. Wood-sawing: saw timber	186930, Republic of Karelia, Kostomuksha, ul. Sovetskaya, 16, PO Box 71	Tel. +7 (81459) 5-34-35, kometek@onego.ru
Kondopoga, OAO	Pulp-and-paper: newspaper, and packaging paper	186220, Republic of Karelia, Kondopoga, ul. Promyshlennaya, 2	Tel. +7 (81451) 3-64-18, 7-92-85, fax +7 (81451) 3-60-83, petrov@kbk.onego.ru, www.kondopoga.fis.ru
Kondopoga Timber-Industrial Forestry, OAO	Lumbering	186220, Republic of Karelia, Kondopoga, ul. M. Gorkogo, 13A	Tel. +7 (81451) 7-59-97, 7-60-53, 7-92-91, 7-60-45, ktc@onego.ru
Kostomuksha Building Company, 000	Wood-sawing: saw timber	186930, Republic of Karelia, Kostomuksha, ul. Sovetskaya, 16, PO Box 140	Tel. +7 (81459) 3-51-73, fax +7 (81459) 7-05-95, kck@onego.ru
Kostomuksha Lespromkhoz, 000	Lumbering	186930, Republic of Karelia, Kostomuksha, ul. Stroiteley, 7A, PO Box 68	Tel. +7 (81459) 5-45-94, tel./fax +7 (81459) 5-42-48, kost-les@mail.ru
KProfil Dom, 000	Wooden house construction: pre-fabricated houses. Wood-sawing: sawtimber	185035, Republic of Karelia, Petrozavodsk, Pervomaysky pr., 43	Tel./fax +7 (8142) 59-33-37, af.kprofil@mail.ru, www.kprofil.com
Kwin-Les, 000	Lumbering	186790, Republic of Karelia, Sortavala, ul. 40 Let VLKSM, 19	Tel. +7 (81430) 23-754, kwin-les@onego.ru
Ladenso, OAO (part of Stora Enso Concern)	Lumbering	186810, Republic of Karelia, Pitkyaranta, ul. Gorkogo, 15	Tel. +7 (81433) 4-14-60, alexey.dyachkov@storaenso.com, www.storaenso.com
Ladoga Log Home, 000	Wooden house construction: frameworks	186790, Republic of Karelia, Sortovala, per. Bazarny, 1	Tel. +7 (81430) 2-50-47, 2-50-31, ladoga-log-home@mail.ru, www.ladoga-log-home.ru
Ladvinsky Lespromkhoz, ZAO	Lumbering	185519, Republic of Karelia, Prionezhsky rayon, pos. Ladva-Vetka, ul. Lesnaya, 1A	Tel./fax +7 (8142) 53-77-22, 53-78-46, kvt@sampo.ru
Lakhdenpokhsky Lespromkhoz, OAO	Lumbering	186730, Republic of Karelia, Lakhdenpokhia, ul. A. Markova, 4A	Tel. +7 (814-50)2-02-25, 2-01-00, 2-02-00, lahdlph@onego.ru
Lakhdenpokhsky Plywood Mill Bumex, 000	Woodworking: plywood. Furniture production	186730, Republic of Karelia, Lakhdenpokhia, ul. Zavodskaya, 24	Tel. +7 (814) 502-21-09, fax +7 (814) 502-24-24, www.bumex.ru
Laminat-Monza, 000	Furniture production: casegoods furniture	185005, Republic of Karelia, Petrozavodsk, ul. Kooperativnaya, 6	Tel./fax +7 (8142) 73-12-90, monza@sampo.ru, www.monza-onego.ru
Les S, 000	Lumbering	185001, Republic of Karelia, Petrozavodsk, pr. Pervomaysky, 3	Tel./fax +7 (8142) 70-60-84, lesservis@sampo.ru
Lestekhinvest, 000	Wood-sawing: saw timber	185010, Republic of Karelia, Petrozavodsk, PO Box11	Tel./fax +7 (8142) 71-04-05, kprofil@mail.ru
Les-Torg, 000	Wood-sawing: planed products	186730, Republic of Karelia, Lakhdenpokhia, Leningradskoye shosse, 88A	Tel./fax +7 (81450) 2-01-97, 2-00-86, les.torg@onego.ru
Medvezhiegorsky LPKh, 000 (a part of Investlesprom Group of Companies)	Lumbering. Wood-sawing: saw timber	186352, Republic of Karelia, Medvezhiegorsk, ul. Zavodskaya, 3	Tel. +7 (814-34) 5-60-91, 5-89-50, office@mlph.onego.ru, www.investlesprom.ru
MK, 000	Lumbering	186150, Republic of Karelia, Pudozh, ul. Pionerskaya, 1	Tel. +7 (81452) 5-14-87, 5-13-39, pudozhstroj@onego.ru
Modul-Plus, 000	Furniture production: casegoods furniture from chipboard	185000, Republic of Karelia, Petrozavodsk, proiezd Stroiteley, 40	Tel./fax +7 (8142) 52-87-84, dsp@onego.ru, www.modul.onego.ru

Name	Activity	Address	Contacts
Olonets-Wood, 000	Wood-sawing: saw timber, and moulded strips	186000, Republic of Karelia, Olonets, ul. Komsomolskaya, 32	Tel./fax +7 (81436) 4-15-91, mskk@onego.ru
PetroDOK, 000	Woodworking: sash pulleys, and doorsets. Wood-sawing: saw timber	185650, Republic of Karelia, Petrozavodsk, ul. Zaytseva, 64A	Tel. +7 (8142) 74-09-70, 74-38-70, 74-05-89, dok@karelia.ru, www.petrodok.onego.ru
Prionezhsky DOK, 000	Woodworking: floorplanks. Wood-sawing: planed products	185504, Republic of Karelia, Prionezhsky rayon, pos. Shuya, ul. Rybatskaya, 37	Tel. +7 (8142) 78-84-74, shuyadok@onego.ru
Promles, 000	Wood-sawing: saw timber, and wooden chips	185505, Republic of Karelia, Prionezhsky rayon, st. Shuiskaya, Kondopozhskoye shosse, 8	Tel. +7 (8142) 78-92-01, 78-92-03, fax +7 (8142) 78-92-02, office@promles.org
Prommax, 000	Wood-sawing: saw timber	186150, Republic of Karelia, Pudozh, ul. Pionerskaya, 71A	Tel. +7 (495) 778-73-74, 233-62-62, zavod@prommax.ru, www.prommax.ru
Russian North, SK, 000	Wooden house construction: timber houses, and log houses	185001, Republic of Karelia, Petrozavodsk, Pervomaysky pr., 54, office 57	Tel./fax +7 (8142)70-23-55, rn@sampo.ru, www.rn.sampo.ru
Russian Wood Alliance, 000	Lumbering. Woodworking. Bioenergy: wooden fuel granules	185003, Republic of Karelia, Petrozavodsk, ul. L'va Tolstogo, 15	Tel. +7 (8142) 57-16-14, fax +7 (8142) 57-88-82, itginfo.km@gmail.com, lehto.biogran@gmail.com, www.rwa.karelia.ru
Segezhsy LDK, 000	Wood-sawing: saw timber	186420, Republic of Karelia, Segezha, ul. Kirova, 1A	Tel. +7 (81431) 4-65-30, 4-65-33, sldk@segl dk.ru
Segezhsy PPM, OAO (a part of Investlesprom Group of Companies)	Pulp-and-paper: craft paper	186420, Republic of Karelia, Segezha, ul. Zavodskaya, 1	Tel. +7 (81431) 34-000, fax +7 (81431) 432-53, office@scbk.ru, www.scbk.ru
Setles, 000 (part of Stora Enso Concern)	Wood-sawing: saw timber. Bioenergy: wooden pellets	186801, Republic of Karelia, Pitkyarantsky rayon, pos. Impilakhti, Sortavalskoye shosse, 70	Tel. +7 (81433) 2-62-41, 2-63-81, andrei.plohov@storaenso.com, www.storaenso.com
Shuyales, ZAO	Lumbering	186130, Republic of Karelia, Pryazhinsky rayon, pos. Chalna, ul. Pervomayskaya, 11A	Tel. +7 (814-56) 4-53-68, 4-53-72, shuiales@karelia.ru
Solomenskiy Lesozavod, ZAO	Wood-sawing: saw timber, and wooden chips	185032, Republic of Karelia, Petrozavodsk, ul. Solomenskaya, 2	Tel. +7 (8142) 718-102, fax +7 (8142) 718-101, office@slz.aspec.ru, www.solomenskiy.ru
Swedwood Karelia, 000	Lumbering. Wood-sawing: saw timber	186930, Republic of Karelia, Kostomuksha, ul. Sovetskaya, 16, PO Box 31	Tel. +7 (81459) 9-74-00, 9-74-70, fax +7 (81459) 9-74-33, oksana.hursina@swedwood.com, yuriy.ivanov@swedwood.com, www.swedwood.com
Terem, 000	Wooden house construction: houses from round log	185031, Republic of Karelia, Petrozavodsk, ul. Kalinina, 57B/24	Tel. +7 921-228-08-97, terem@zolotoy-venec.ru, www.zolotoy-venec.ru
Trans-Tur, 000 (Severzagotovka, 000)	Lumbering	186350, Republic of Karelia, Medvezhiegorsk, ul. Lesnaya, 1	Tel. +7 (921) 726-01-33, northles@mail.ru
Ujutny Dom, 000	Wooden house construction: houses from solid wood, and pre-fabricated wooden houses	185001, Republic of Karelia, Petrozavodsk, pr. Pervomaysky, 43, office 306	Tel. +7 (8142) 63-06-26, +7 (911) 400-31-83, info-karelia@mail.ru, www.domkarelia.ru
UPM-Kyummene, 000	Lumbering	185035, Republic of Karelia, Petrozavodsk, ul. Gogolya, 1, office 48	Tel. +7 (8142) 78-14-48, fax +7 (8142) 76-97-39, upm@sampo.ru, www.upm.ru
Valma, 000	Lumbering	185000, Republic of Karelia, Petrozavodsk, ul. Kuibisheva, 18, kv. 1	Tel. +7 (8142) 63-49-26, 63-34-02
Vektor, 000	Wood-sawing: saw timber, and wooden chips. Lumbering	186667, Republic of Karelia, Loukhsky rayon, pos. Pyaozersky, ul. Zelionaya, 2A	Tel./fax +7 (81439) 3-83-72, karelia.vektor@rambler.ru
VK-Mebel, 000	Furniture production: casegoods furniture	185000, Republic of Karelia, Petrozavodsk, ul. Rigachina, 47	Tel./fax +7 (8142) 73-17-04, 26-06-79, vkmebel@mail.ru
Voloma-Market, 000	Lumbering	185035, Republic of Karelia, Petrozavodsk, PO Box 93	Tel. +7 (8142) 76-50-86, 78-10-09, 78-99-18, voloma@onego.ru
Volomsky LPKh Leskarel, OAO	Lumbering. Wood-sawing: saw timber	186950, Republic of Karelia, Muezersky rayon, pos. Peninga, ul. Lenina, 27	Tel. +7 (8142) 78-99-16, +7 (81455) 2-63-87, real.leskarel@mail.ru
Wood-Profile, 000	Wood-sawing: saw timber	185014, Republic of Karelia, Petrozavodsk, ul. Beryozovaya Alleya, 40/53	Tel. +7 (8142) 63-07-01, wood-profile@mail.ru
YakkolaG.V., IP	Lumbering. Wood-sawing: saw timber. Wooden house construction	186930, Republic of Karelia, Kostomuksha, ul. Mira, 14, office 47	Tel. +7 (921) 700-32-91, gennadi@onego.ru
Zapkarelles, ZAO	Lumbering. Wood-sawing: saw timber	186870, Republic of Karelia, Suojarvi, 28	Tel. +7 (814-57) 5-13-51, 5-12-65, 5-17-37, post@zapkarelles.ru, www.zapkarelles.ru

The Treasury of North

Any hardship brought on by the severe Komi climate is made up by lucrative local resources. The region is the major fuel supplier for the north of European Russia. It is rich in oil, gas, coal, bauxite, titan and precious metals. Valuable coniferous forests cover most of its area.

Large-scale enterprises of the Komi Republic

PechoraEnergoResource, OOO

Knyazhpogotsky
Fiberboard Plant, OOO

Zheshartsky Plywood Mill, ZAO

Dvina, ZAO

Luzales, OOO

Mondi Syktyvkar OJSC

SevLesPil, OOO

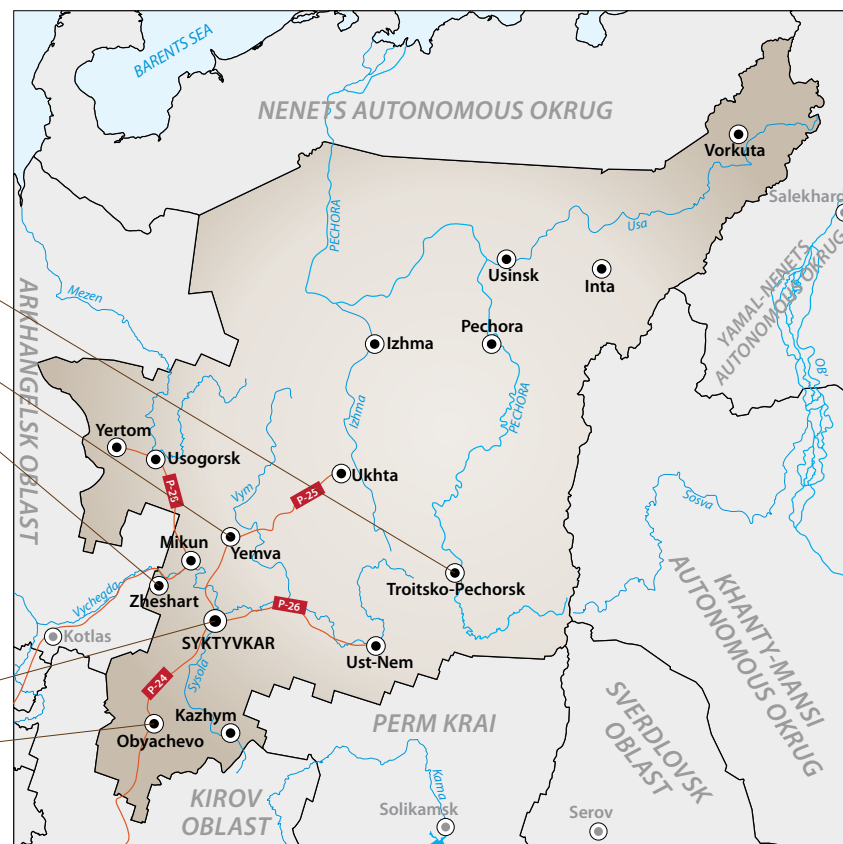
Syktyvkar Industrial Plant, OOO

Syktyvkar Paper Products, PKP, OOO

Syktyvkar Plywood Plant, OOO

Syktyvkar Tissue Group, OAO

SLK, OOO



The Komi Republic encompasses 416,800 km², and its population is 951,100 people (of which 723,200 people live in urban areas). The region is quite sparsely populated: it is the 13th in terms of the area and only 54th in terms of the population in all of Russia.

The capital is the city of Syktyvkar with 251,000 people. Towns which population exceeds 30,000 include Ukhta, Vorkuta, Pechora, Usinsk, Sosnogorsk, and Inta.

The Komi ethnic group makes up about 25% of local citizens, and the Komi language is considered an official language alongside Russian.

CLIMATE

The republic has a moderate continental climate. The winter is long and January temperatures vary from -17 to -20 °C. The summer is short and cool with July temperatures ranging from +11 to +17 °C.

Komi is a humid region: it receives no less than 700 mm of rainfall annually, especially in the autumn. The temperature usually drops below zero in October.

The republic is seismically unstable: on average, at least one magnitude 4.5 earthquake is registered per year. The strongest was recorded in January 1939 which recorded a magnitude of 7.

NATURE

The Komi Republic is located in the extreme north-east of European Russia to the west of the Ural Mountains.

Nearly 78% of its area is populated with trees and bushes. Its dark coniferous forests are dominated by spruce. They feature a high percentage of mature and old-growth stands.

The republic has 240 specially protected areas (SPA), of which two SPAs are of federal significance (the Pechora-Ilych State Biospheric Nature Reserve and the Yugyd Va National Park) and 238 SPAs of regional significance (165 nature reserves of different kinds and 73 natural monuments). The aggregate area of federal and regional SPAs exceeds 6 million ha which is about 14.6% of the area of the republic.

WATER RESOURCES

Vast wetlands and a dense hydrographic network have been formed due to the significant prevalence of rainfall over evaporation (the republic stretches over the basins of the White, Barents, Kara, and Caspian seas). Nearly 15% of the region is covered by bogs, including the Ocean (1,790 km²) and Usinskoye (1,590 km²) bogs, which are the largest in Europe. Large lakes include the Yamozero (31.1 km²), Sindorskoye (28.5 km²), and Kosminskoye (12.6 km²).

The major rivers are the Pechora (1,570 km inside the region) and Vychegda (920 km). Other large rivers include the Izhma, Mezen, Sysola, Usa, Vashka, and the Vym.

SUBSOILS

The mineral resource potential of the Komi Republic is of great importance to the Russian economy. Explored deposits account for about 3% of Russian oil, 4.5% of coal, 13% of barite, 30% of bauxite, 50% of titan, and 80% of quartz seams.

The republic serves as the main fuel supplier of the European North of Russia. The majority of the Timano-Pechorskaya oil and gas province is located in the republic, as well as the Pechorsky coal basin and three oil shale basins.

The Pechorsky coal basin, the second largest in Russia, comprises more than 30 deposits and overall coal resources are estimated at 242 billion tons. A 3.99 billion-ton coalfield is being explored and prepared for development.

Regional oil resources include 131 deposits, and there are 132 deposits of natural gas. Most of the regional oil (about 40%) is found in the deposits of the Pechoro-Kolvinskaya gas and oil province. The estimated amount in the gas reserve is about 140 billion m³. Nearly half of this amount is stocked in the Vuktylskoye gas-condensate field.

Oil shale resources are estimated at 62 billion tons.

Peat is found in 4,840 deposits with the total stock of 452.9 million tons.

The local metallic mineral resources are presented by ferrous metal ores (titan, manganese, chrome), non-ferrous metal ores (aluminum, copper, lead, zinc), rare metal ores (niobium, tantalum, tungsten, molybdenum), trace metal ores (gallium, scandium) and rare-earth metal ores (cerium, yttrium). Precious metals are represented by gold and smaller portions of silver and platinum. Diamonds are also found.

In addition, the republic possesses big resources of fresh, mineral and industrial ground waters.

TRANSPORT

The total length of the republic's railways is 2,300 km, including 1,700 km of public railroads. The railway system is based on the main artery Kotlas-Vorkuta railroad which is 1,700 km long and comprises three lines: the Mikun-Koslan-Vendinga railroad, the Sosnogorsk-Troitsko-Pechorsk railroad, and the Synya-Usinsk railroad.

Airports are located in Syktyvkar, Vorkuta, Ukhta, Pechora, Usinsk, Inta, and Ust-Tsyla. Five districts (the Inta, Pechora, Ukhta, Usinsk and Ust-Tsyla districts) regularly use Mi-8 helicopters for transporting passengers to remote and difficult-to-access areas.

The region is characterized by a well-developed water transport system. The total length of navigable waterways is 4,100 km.

As for the density of the vehicular road network, the republic is at the bottom of the list in Russia. The transport system at a minimum meets only about 60% of the requirement for successful performance. More than one-third of Komi's rural settlements have no permanent transport link with the public road network.

The total length of public vehicular roads is a little more than 6,000 km, of which 5,300 km are hard-top roads. The region is traversed by 283.6 km of the Vyatka federal road (Kirov-Murashi-Syktyvkar route).

Komi is currently building a vehicular road traversing Syktyvkar-Ukhta-Pechora-Usinsk-Naryan-Mar, with branches reaching Vorkuta and Salekhard.

INDUSTRY

The main industrial products in the republic include oil (including NGL), coal, natural gas, oil products, lumber, fiberboard, chipboard, plywood, paper, cardboard, and electric power.

The machines and equipment market is determined by a limited number of consumers, mainly coal, oil and timber producers, and the building sector.

ENERGY

The energy system of the Komi Republic is an unified closed complex composed of five load centres: the Vorkutinsky, Intinsky, Pechorsky, Ukhtinsky (Central) and Yuzhny power stations, connected by a backbone transmission line.

The total length of electrical network is as follows: bulk transmission system – 1,600 km; peripheral ETL – 21,300 km.

Only 5% of the generated power is sold outside the region, while 1% of power comes from other regions (in particular, from the Kirov region).

The republic generates more than 70% of its electricity by burning natural gas. Coal, FFO, diesel oil and woodworking residues also serve as a fuel for power plants.

FORESTS

Komi's forests are mainly represented by coniferous species, while deciduous trees account for about one fifth of the regional forest cover. More than half of the stands allowed for harvesting are located in remote areas with weak transportation infra-structure.

The forested area of the Komi Republic is 36,262,300 ha or 87.2% of the total area of the region. According to the intended purpose, the forested area is divided into protected (39.8%)

Komi timber industry: Specifics

- nearly 100% of harvested commercial timber is processed domestically, irrespective of the lack of high quality raw timber (saw timber, veneer logs), overstock of pulpwood and under-use of fuel wood in the economy;
- well-developed pulp-and-paper production chains using coniferous and deciduous pulpwood to make pulp, paper and cardboard of various types;
- well-developed semi-products sector producing a full range of plywood, chipboard, wet-process type fiberboard, MDF; OSB is the only type that is not produced;
- domination of primary processing;
- weak secondary processing – glulam, furniture elements, special wood-based structural materials;
- insufficient biofuel production and under-use of wood and wood waste in utilities.

and commercial (60.2%). Moreover, 2.7 million ha of forested land belongs to the Ministry of Defense of the Russian Federation; SPAs cover 2.6 million ha, municipal forests cover 6,200 ha and other forest categories cover 12,500 ha.

The forested land percentage is 79%, although this indicator varies depending on the district and physical, geographical, climatic and soil conditions.

The total forested area has not changed significantly in recent years. It has expanded by 196,700 ha since 2006 by inclusion of forests which had earlier belonged to agricultural enterprises and the clarification of the borders of forestry enterprises in the course of carrying out the forest inventory. Natural and artificial regeneration expanded the area by 217,300 ha, while burnt out areas and failed plantations shrank by 59,500 ha.

The composition of Komi's forests is dominated by spruce at 53.8%. The second most predominant species is pine at 25.2%, while birch accounts for 16.7%.

The total wood stock of the regional forests is 2,837.64 million m³, of which conifers are 2,350.67 million m³. The annual allowable cut is 33.5 million m³, including 22.5 million m³ for conifers. The actual timber harvest in 2010 was 7.44 million m³. However, according to the local government, the harvest is expected to show stable growth. Thus, the timber harvest plan is for 10.5 million m³ in 2014 and 15 million m³ in 2020. If these plans are implemented, the need of the local processing facilities for raw timber will be met. The composition of conifer-dominated forests is consistent with consumption needs, which are mainly determined by the pulp-and-paper industry.

The Komi Republic has no difficulty with forest regeneration. The region procures a sufficient amount of seedlings, and all basic regional nurseries created plantations of the

required planting material last year; indeed, the regeneration plan was implemented in full (102%).

Taking into account product and transport criteria, the Komi Republic can be divided into four resource production zones.

Zone 1 – adjacent forests characterized by dense transport systems and premium quality wood.

Zone 2 – forests within a reach with medium transport systems and high quality wood.

The AAC for Zone 1 is 3.6 million m³, and for Zone 2 it is 6 million m³. The resource bases of the first two zones are characterized by high quality: average stock per hectare varies between 172–197 m³. They have the highest road density (0.8 to 1.3 km per 1,000 ha) and are a short distance from potential consumers (52–61 km). Their resource structures are limited by a low percentage of conifers and a big portion of deciduous pulpwood and fuel wood.

Zone 3 – middle and remote forests with medium and low road network density and medium and high-grade wood. Their AAC is 6.7 million m³. The conifer percentage is comparatively high, while the average stock per hectare is only 131 m³.

The most remote forests with low road density and low quality wood make up Zone 4 of the resource base. Its specific feature is the low value of the forest. The AAC is 4.8 million m³. The average stock per hectare is just 97 m³, i.e. twice as low as that of Zone 1. The product range is characterized by the limited share of coniferous sawlogs and a small basal area.

Like many other regions of the country, the Komi Republic finds it difficult to explore the forests and develop the timber industry due to insufficient accessibility. The timber is traditionally hauled using all means of transport: railway – narrow and broad gauge lines, motor and waterborne vehicles. Trucks are most commonly used for timber haulage: up to 80% of the local timber is removed by

trucks. The haulage distance (from cutting areas to log yards) varies from 30 to 300 km.

The north-eastern part of the republic is the largest and the least attractive for harvesting due to extremely scarce vehicular roads and railroads. Most forests almost inaccessible to users. There are no all-season roads to Syktyvkar and Ukhta, and haulage roads have not been built.

TIMBER INDUSTRY

Being among the top Russian forest regions, the Komi Republic has a diversified industry which incorporates almost all sectors of wood processing.

The timber industry is one of the basic elements of the local economy. It is the second biggest industrial producer after the fuel-and-power sector.

The total value of shipped timber and wood-based products in 2010 was 36.3 billion rubles or 24% of the total value of the output of the core regional industries.

The actual timber harvest is 25.2% of AAC, while that in forestry enterprises located far from the processing facilities is 10% of AAC. One-hundred-and-seventy-one forest units with an aggregate area of 6.2 million ha have been leased in the long term, and the total volume of timber products exceeds 13.5 million m³ per year.

The regional woodworking industry includes production of lumber, plywood, fiberboard, particleboard, MDF and timber structures. In addition, the region is one of the biggest pulp-and-paper producers.

According to the “Basic Policy of the Timber Industry in the Komi Republic up to 2020” published by the regional Ministry of Industry and Energy, the weak point of the regional timber industry is low efficiency of woodworking and wood-based products manufacture, especially as compared to European plants. The key factor is the technical backwardness of almost all segments of the regional timber industry. It leads to increased consumption of timber, materials, power, and labour. The rate of refurbishment of the production facilities is too slow. This problem has become more acute since Russia’s WTO accession in 2012.

Nevertheless, all spheres of the timber industry are undergoing gradual renewal. Visible results have been observed in logging which moved from tree-length to cut-to-length techniques using imported harvester-forwarder couples. The share of timber harvested by medium and large companies using these techniques grew from 22.8% in 2004 to 78.3% in 2009.

Local sawmills (especially small and medium-sized enterprises) are still using energy-consuming gang-saws: computer support and software are

used insufficiently; there is no automatic grading of raw timber and sawn timber; and manual labour is still widely used at all stages of sawmill production. Particleboard plants, especially old ones, operate worn-out machines. Sometimes, the nearly-20-year-old equipment is used even to launch new products.

Sawmills, the most common type of processing facility, are the least effective. The cost of one cubic meter of a final product is less than 4,000 rubles. The issue is that sawmills are producing green square-edged timber which serves as a raw material at further value-adding stages of global product chains such as the manufacture of glued timber structures, structural elements, solid wood furniture, etc.

According to experts, the main reason for low domestic lumber consumption is the lack of well-managed enterprises that could make solid wood furniture and wooden houses. Such enterprises could ensure that all regional lumber is processed, as the officials of the Ministry of Industry and Energy have said.

The under-use of low-grade wood and wood residues for producing biofuel is another weak point of the Komi timber sector. On the one hand, a high percentage of waste produced by local sawmills is accounted for by the outdated machines. On the other, the biofuel cannot compete with fossil fuels in this top oil and coal producing region.

The high percentage of waste in the timber industry means that the manufacture of one product unit takes an unreasonably large volume of natural resources, i.e. the volume of cut timber is too big in relation to the volume of final products as compared to the cut/product ratio of foreign enterprises.

Another peculiarity of the Komi timber industry is the asymmetric distribution of industrial production facilities. Timber processing is mainly concentrated in Syktyvkar which results in the under-use of the development potential of forest-rich districts and overloaded central roads.

*Yevgenia CHABAK
Based on materials provided by the Ministry of Industry and Energy of the Komi Republic*

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Enterprises of the forestry industry of the Republic of Komi

Name	Activity	Address	Contacts
Abrashitov S.A., IP	Lumbering. Wood-sawing: saw timber	169269, Komi Republic, Udorsky rayon, pos. Mezhdurechensk, ul. Internatsionalnaya, 1/55	Tel. +7 (82135) 233-42, +7 (912) 869-90-09
Agrolesservice, 000	Lumbering. Wood-sawing: saw timber	168130, Komi Republic, Priluzsky rayon, s. Obyachevo, ul. Lesnaya, 55A	Tel. +7 (82133) 227-86, +7 (82133) 231-45
Akimov D.A., IP	Wood-sawing: saw timber	168130, Komi Republic, Priluzsky rayon, s. Obyachevo, ul. Proizvodstvennaya	Tel. +7 (912) 868-06-67
Alfa Plus, 000	Lumbering. Woodworking	169300, Komi Republic, Ukhta, ul. Koltsevaya, 12, kv. 4	Tel./fax +7 (8216) 75-18-80, bogdanovaty@mail.ru
Alfaremstroy, 000	Wooden house construction: fabricated wooden houses	167005, Komi Republic, Syktyvkar, Oktyabrsky pr., 131/4, kab. 35 TC Sputnik	Tel. +7 (8212) 25-00-41, +7 (904) 270-52-21, fax +7 (8212) 25-00-41, alfaremstroi@mail.ru, www.alfaremstroi.ru
Andronchik V.K., IP	Wood-sawing: saw timber, and planed products. Wooden house construction: houses from shaped timber	168200, Komi Republic, Syktyvdinsky rayon, s. Zelenets, m. Vilyad, 6	Tel. +7 (912) 149-57-79, vandanev@mail.ru, www.vanda-les.ru
Antonovskaya L.N., IP	Woodworking: veneer, wooden boards, and timber	167094, Komi Republic, Syktyvkar, pos. Krasnozatskiy, ul. Mikhailovskaya, 14	Tel. +7 (8212) 55-32-41
Anufriev G.N., IP	Lumbering	169470, Komi Republic, Izhemsky rayon, pos. Schelyaur, ul. Puteitsev, 11A	Tel. +7 (82140) 916-32
Arsenal-Stroy, 000	Woodworking	167023, Komi Republic, Syktyvkar, ul. Starovskogo, 46, kv. 6	Tel. +7 (8212) 56-29-00, 55-76-60, dibudko@yandex.ru

Name	Activity	Address	Contacts
Arteev L.N., IP	Lumbering	169463, Komi Republic, Izhemsky rayon, der. Yel, 4	Tel. +7 (82140) 962-21, ekatterenteva@yandex.ru
Asbi, 000	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, m. Dyrnos, 3/5	Tel./fax (8212) 43-05-94, novolestorg06@yandex.ru
Avanta, 000	Lumbering. Wood-sawing: saw timber	169314, Komi Republic, Ukhta, ul. Zavodskaya, 6, office 405	Tel. +7 (8216) 79-06-03, +7 (912) 947-51-56, avantage2003@yandex.ru
Aykinsky Leskhoz, 000	Lumbering	169040, Komi Republic, Ust-Vymsky rayon, s. Aikino, ul. Sadovaya, 13	Tel. +7 (82134) 215-82, ovchinnikova_78@mail.ru
Belgop, 000	Lumbering. Wood-sawing: saw timber	169300, Komi Republic, Ukhta, ul. Semyashkina, 10	Tel. +7 (8216) 76-28-10, bel.belgop@gmail.ru
Belkom, 000	Wood-sawing: saw timber	168060, Komi Republic, Ust-Kulomsky rayon, s. Ust-Kulom, ul. Internatsionalnaya, 50A	Tel./fax +7 (82137) 9-42-44, belkom57@mail.ru
Brigadir (Masapura E.A., IP)	Wooden house construction	167000, Komi Republic, Syktyvkar, ul. Internatsionalnaya, 152	Tel. +7 (8212) 34-62-40, 21-54-03, brigadir.si@mail.ru
Buk, 000	Woodworking: sash pulleys, and doorsets. Wood-sawing: moulded strips	169313, Komi Republic, Ukhta, ul. Oplesnina, 20, kv. 46	Tel./fax +7 (8216) 74-31-39, +7 (912) 142-37-04
Continent, 000	Wood-sawing: saw timber	167009, Komi Republic, Syktyvkar, ul. Internatsionalnaya, 157, office 85A	Tel. +7 (922) 584-88-84, +7 (904) 106-33-33, kontinent11@mail.ru
Dekostroy Service, 000	Woodworking: sash pulleys, doorsets, and stairs. Wooden house construction. Wood-sawing: saw timber	167000, Komi Republic, Syktyvkar, ul. Morozova, 113A/18	Tel./fax +7 (82142) 2-51-28, +7 (912) 863-01-88, deko.komi@mail.ru
Derevoobrabotka, 000	Woodworking: sash pulleys, and doorsets. Furniture production	167000, Komi Republic, Syktyvkar, ul. Industrialnaya, 9	Tel. +7 (8212) 43-14-51, derevoobr@rambler.ru
Diant, 000	Wood-sawing: saw timber. Trade: harvesting equipment	167000, Komi Republic, Syktyvkar, ul. 5-ya Promyshlennaya, 22/2	Tel. +7 (8212) 28-63-12, 28-63-61, diant11@mail.ru
Dion, 000	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, ul. Sovetskaya, 1, office 46	Tel. +7 (8212) 27-01-97, tel./fax +7 (8212) 44-71-21, dionma@yandex.ru
Dorles, 000	Lumbering. Wood-sawing: saw timber	168082, Komi Republic, Ust-Kulomsky rayon, pos. Zimstan, ul. Internatsionalnaya, 1	Tel. +7 (82137) 926-88
Doronin V.A., IP	Lumbering	168204, Komi Republic, Syktyvdinsky rayon, der. Shilador, ul. Krasnykh Partisan, 60	Tel. +7 (82130) 753-41, irinadoronina@yandex.ru
Dvina, ZAO	Lumbering	167000, Komi Republic, Syktyvkar, Sysolskoye shosse, 17/1	Tel. +7 (8212) 22-97-50
Ecoforest-Komi, 000	Woodworking: glulam	167000, Komi Republic, Syktyvkar, ul. 1-ya Promyshlennaya, 33	Tel. +7 (8212) 28-61-00
Etalon (Shakhtarov A.V., IP)	Furniture production: casegoods furniture	169600, Komi Republic, Pechora, ul. Ostrovskogo, 52	Tel./fax (82142) 7-71-22, etalon52@mail.ru
Flora, 000	Wood-sawing: saw timber	168060, Komi Republic, Ust-Kolomsky rayon, s. Ust-Kulom, ul. Internatsionalnaya, 50A	Tel. +7 (82137) 9-42-44
Format, Co. (Potapova U.V., IP)	Furniture production: casegoods, and office furniture, and kitchens	167000, Komi Republic, Syktyvkar, Oktyabrsky pr., 131/6	Tel./fax: (8212) 51-51-15, 33-33-61, forma-m@mail.ru
Glukh A.L., IP	Lumbering. Wood-sawing: saw timber	168160, Komi Republic, Priluzsky rayon, s. Letka, ul. Sovkhoznaya, 17, office 8	Tel. +7 (82133) 414-55, +7 (922) 588-20-20, a.gluh@mail.ru
Golovkin I.I., IP	Lumbering. Wood-sawing: saw timber, round log, and planed products. Wooden house construction: log houses	167905, Komi Republic, Syktyvkar, pos. Verkhnyaya Maxakovka, ul. Bolshaya, 30	Tel./fax +7 (8212) 23-28-02, golovkin_i_i@mail.ru
Goncharov U.P., IP	Lumbering. Wood-sawing: saw timber	169523, Komi Republic, Sosnogorsky rayon, pos. Nizhny Odes, ul. Molodiozhnaya, 15	Tel. +7 (82149) 2-05-13, tel./fax +7 (82149) 2-49-54, vlaud@rambler.ru
Gorizont, 000	Lumbering. Wood-sawing: saw timber	169436, Komi Republic, Troitsko-Pechorsky rayon, s. Yaksha, ul. Shkolnaya, 26	Tel./fax +7 (82138) 9-56-21
Gritsenko M.I., IP	Lumbering. Wood-sawing: saw timber	168227, Komi Republic, Syktyvdinsky rayon, pos. Yasheg, ul. Rabochaya, 12	Tel. +7 (82139) 743-21, 743-34
Gumenyuk V.P., IP	Lumbering	169370, Komi Republic, Ukhta, pos. Tobys, ul. Beregovaya, 5, kv. 2	Tel. +7 (912) 105-01-24
Ignatov I.V., IP	Lumbering	168079, Komi Republic, Ust-Kulomsky rayon, s. Kerchomya, ul. Tsentralnaya, 202	Tel. +7 (922) 595-23-00

Name	Activity	Address	Contacts
Intex, 000	Wooden house construction: houses from glulam, and from round log. Trade: saw timber	167000, Komi Republic, Syktyvkar, ul. Kolkhoznaya, 42, office 19	Tel. +7 (8212) 56-05-66, tel./fax +7 (8212) 21-51-18, 560566@mail.ru
Izvastroitel, 000	Lumbering. Woodworking: sash pulleys, and doorsets. Wood-sawing: saw timber	169471, Komi Republic, Izhemsky rayon, der. Diyur, ul. Shkolnaya, 9	Tel. +7 (82140) 9-26-00, tel./fax +7 (82140) 9-26-11, izva_po@mail.ru
Kadzheromsky Leskhoz, 000	Lumbering	169630, Komi Republic, Pechora, pos. Kadzherom, ul. Teatralnaya, 17, kv.1	Tel. +7 (912) 545-25-53, k.leshoz@mail.ru
Kairos, 000	Furniture production: casegoods furniture	169710, Komi Republic, Usinsk, ul. 60 Let Oktyabrya, 7A	Tel. +7 (82144) 9-80-28, 4-21-26, ooo.kairos@mail.ru
Kanev V.V., IP	Lumbering	169460, Komi Republic, Izhemsky rayon, s. Izhma, ul. Molodiozhnaya, 33	Tel. +7 (904) 862-94-56
Kazhymles, 000	Lumbering	168181, Komi Republic, Koigorodsky rayon, pos. Kazhym, ul. Kuibysheva, 4	Tel. +7 (82132) 9-23-13, vera_yalpah@mail.ru
Kedr, 000	Lumbering. Wood-sawing: saw timber	168170, Komi Republic, s. Kaigorodok, ul. Internatsionalnaya, 77	Tel. +7 (82132) 912-71
Kemon-Les, 000	Lumbering. Wood-sawing: saw timber. Wooden house construction: houses from solid wood	167000, Komi Republic, Syktyvkar, ul. Kuratova, 83, office 316	Tel. +7 (8212) 44-21-84, kemon.les@mail.ru
Knyazhpogotsky Fiberboard Plant, 000	Wood-sawing. Woodworking: fiberboard, and art board	169200, Komi Republic, Yemva, ul. Vymskaya, 35	Tel. +7 (82139) 212-79, 211-88
Kodanev E.V., IP	Lumbering. Wood-sawing: saw timber. Wooden house construction: houses from solid wood	169480, Komi Republic, Ust-Tsylemsky rayon, der. Bor	Tel. +7 (912) 861-62-45, les11s112008@yandex.ru
Koigorodokles, 000	Lumbering. Wood-sawing: saw timber	168170, Komi Republic, Koigorodsky rayon, s. Koigorodok, ul. Vadorskaya, 1, office 2	Tel. +7 (904) 204-32-42, karginkomi@list.ru
Koileskhoz, 000	Lumbering	168183, Komi Republic, Koigorodsky rayon, pos. Koidin, ul. Naberezhnaya, 6	Tel. +7 (82132) 979-47, +7 (922) 270-35-77, koyleshoz@yandex.ru
Koilestrans, 000	Lumbering. Wood-sawing: saw timber	168170, Komi Republic, Koigorodsky rayon, s. Koigorodok, ul. Naberezhnaya, 70	Tel. +7 (82132) 9-13-30, koylestrans@yandex.ru
Kolegova S.V., IP	Lumbering	167000, Komi Republic, Syktyvkar, Oktyabrsky pr., 30, kv. 9	Tel. +7 (8212) 32-10-38, gachina1@mail.ru
KomiDrevProm, 000	Woodworking: chipboard	167000, Komi Republic, Syktyvkar, m. Chovyu, ul. 1-ya Promyshlennaya, 78	Tel. +7 (912) 865-91-86, fax +7 (8212) 28-63-65, leskomi2007@yandex.ru, www.leskom-dsp.ru
KomiExportTorg,000	Lumbering	167000, Komi Republic, Syktyvkar, ul. Kolchoznaya, 3A	Tel. +7 (8212) 20-37-98, ketkomi@bk.ru
Komilesbusiness,000	Lumbering. Wood-sawing	168092, Komi Republic, Ust-Kulonsky rayon, der. Puzla, ul. Zarechnaya, 20	Tel. +7 (82137) 98-043, fax +7 (82137) 98-083, sekretary@komilesbusiness.ru
Komilessnab, 000	Lumbering	167000, Komi Republic, Syktyvkar, ul. Zavodskaya, 21/6	Tel. +7 (8212) 29-19-76, lzk_komi@mail.ru
Komilestorg, 000	Lumbering	167981, Komi Republic, Syktyvkar, ul. K. Marxa, 197	Tel./fax +7 (8212) 44-87-00, ant350@rambler.ru
Komplekt-Resurs, 000	Furniture production: casegods, and soft furniture	169710, Komi Republic, Usinsk, ul. Lenina, 9, office 74	Tel. +7 (82144) 4-53-50, kom-resurs@mail.ru
Korpus-com (Mikushev I.A., IP)	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, ul. K.Marxa, 213, office 4	Tel. +7 (8212) 21-41-58, 55-96-71, korpus_kom@mail.ru
Kortkerosskiy Leskhoz, 000	Lumbering	168020, Komi Republic, Kortkerossky rayon, s. Kortkeross, ul. Sovetskaya, 256	Tel. +7 (82136) 922-78, glokles@mail.ru
Kudryavtsev E.L., IP	Wooden house construction: houses from solid wood	167000, Komi Republic, Syktyvkar, ul. Kuratova, 83, office 512	Tel. +7 (912) 868-34-16, 48-34-16@mail.ru
Lekanov A.V., IP	Lumbering. Wood-sawing: saw timber	168130, Komi Republic, Priluzsky rayon, s. Obyachevo, ul. Tsentralnaya, 14	Tel. +7 (912) 965-51-88
LesExport-A, 000	Lumbering	167001, Komi Republic, Syktyvkar, ul. Internatsionalnaya, 110	Tel. +7 (8212) 44-75-65, lesexport-a@mail.ru
LesGroupTrans, 000	Lumbering. Wood-sawing: saw timber	169310, Komi Republic, Ukhta, ul. Semyashkina, 10	Tel. +7 (8216) 77-70-19, 72-43-37
Lesnaya Firma, 000	Wood-sawing: saw timber	167031, Komi Republic, Syktyvkar, Oktyabrsky pr., 102	Tel. +7 (8212) 21-91-83, +7 (912) 866-62-49, lesfirma@mail.ru
Lesnik Vuktyla, 000	Lumbering. Wood-sawing: saw timber. Engineering	169570, Komi Republic, Vuktyl, ul. Kommunisticheskaya, 9, kv. 62	Tel. +7 (82146) 273-34, +7 (912) 105-28-38, lesvuktyl1@km.ru

Name	Activity	Address	Contacts
Lesnoye, 000	Lumbering. Wood-sawing: saw timber. Wooden house construction: houses from solid wood	169480, Komi Republic, s. Ust-Tsylma, ul. Vostochnaya, 7	Tel. +7 (821-41) 929-58, +7 (912) 101-37-31, les112009@yandex.ru
Lesopunkt, 000	Wood-sawing: saw timber. Furniture production: casegoods furniture	169480, Komi Republic, Ust-Tsylemsky rayon, s. Ust-Tsylma, ul. Pechorskaya, 1A	Tel. +7 (82141) 914-78, 919-75, lesopunkt52@mail.ru
Lesovod, 000	Lumbering. Wood-sawing: saw timber	168100, Komi Republic, Sysolsky rayon, s. Vizinga, ul. Sovetskaya, 10	Tel./fax +7 (82131) 9-54-36, sisola@mail.ru
Lesovod, 000 (Ketov O.N., IP)	Lumbering	168160, Komi Republic, Priluzsky rayon, s. Letka, ul. Pionerskaya, 17A, kv.8	Tel. +7 (82133) 418-54, +7 (912) 968-90-88, ketovo@mail.ru
Lesozavod No.1, 000	Lumbering. Wood-sawing: saw timber	169012, Komi Republic, Ust-Vymsky rayon, pos. Kazluk, ul. Shkolnaya, 1A	Tel. +7 (82134) 453-22, +7 (912) 151-12-22, lesozavod1@mail.ru
Lespil, 000	Wood-sawing: saw timber	167000, Komi Republic, Syktyvkar, ul. Pechorskaya, 50, kab. 4	Tel. +7 (904) 230-99-55, 2702.69@mail.ru
Lesprodtorg TsentroVudkom, PKF, 000	Lumbering	167982, Komi Republic, Syktyvkar, ul. D. Kalikovoy, 25, office 3	Tel. +7 (8212) 44-10-58, oolpt@mail.ru
Lesprodtorg, 000	Lumbering	167000, Komi Republic, Syktyvkar, ul. D. Kalikovoy, 25, office 3	Tel./fax +7 (8212) 44-10-58, 24-30-98, oolpt@mail.ru
Lesprom, 000	Lumbering. Wood-sawing: saw timber	169300, Komi Republic, Ukhta, ul. Koltsevaya, 12, kv. 4	Tel./fax +7 (8216) 75-18-80, lesprom665@mail.ru
Lespromstroy, 000	Lumbering. Wood-sawing: saw timber. Wooden house construction: houses from solid wood	169300, Komi Republic, Ukhta, pr. Stroiteley, 29, office 77	Tel. +7 (8216) 72-55-97, 72-55-62, lespromstroy@gmail.com
Les-Region-K, 000	Lumbering	167000, Komi Republic, Syktyvkar, ul. Savina, 4	Tel. +7 (8212) 72-39-66
Lesresource, 000	Lumbering. Wood-sawing: saw timber	167000, Komi Republic, Syktyvkar, ul. K.Marxa, 182, office 211	Tel. +7 (8212) 56-76-05, 567605@mail.ru
Luzales, 000	Lumbering. Woodworking	167981, Komi Republic, Syktyvkar, ul. Pervaya Promyshlennaya, 8	Tel. +7 (8212) 28-73-86, 28-73-99, luzales@mail.ru, www.luzales.ru
Mateichuk N.A., IP	Lumbering	167000, Komi Republic, Syktyvkar, ul. Svobody, 26, kv. 2	Tel. +7 (8212) 56-79-89, +7 (912) 865-41-27
Mebel Plus (Petrov A.N., IP)	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, Pokrovsky bul., 7	Tel. +7 (8212) 27-32-01, 20-38-20, mebel70@inbox.ru, www.mebel70.ru
Mebel-Design (Fiodorov K.G., IP)	Furniture production: closets, casegoods, and soft furniture. Woodworking: interior doors	167000, Komi Republic, Syktyvkar, ul. Chkalova, 34	Tel. +7 (8212) 24-87-78, 24-87-76, mdtorg@mail.ru, www.md-rk.ru
Mondi Syktyvkar OJSC	Pulp-and-paper: office, newspaper, and offset paper, and cardboard	167026, Komi Republic, Syktyvkar, pr. Bumazhnikov, 2	Tel. +7 (8212) 69-95-55, www.mondibp.com
Moroz, 000	Lumbering. Wood-sawing: saw timber	167009, Komi Republic, Syktyvkar, ul. Permskaya, 24	Tel. +7 (821-2) 43-85-33, 56-57-14, morozles@yandex.ru
MP Garmonia (Glukhov A.S., IP)	Furniture production: casegoods, and soft furniture	169300, Komi Republic, Ukhta, ul. Yubileinaya, 12	Tel./fax (8216) 745-749, garmoniamp@mail.ru, www.garmoniamp.ru
Nazaret, Furniture Store (Lavrenov V.A., IP)	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, ul. K.Marxa, 191	Tel. +7 (8212) 216-071, 201-999, nazaret_08@mail.ru, www.nazaretmebel.ru
New Construction Technologies, 000	Furniture production: casegoods furniture	167023, Komi Republic, Syktyvkar, ul. Tarovskogo, 32, 40	Tel. +7 (8212) 31-74-75, 57-96-60, newstroit@mail.ru
Norvud SM, 000	Lumbering. Wood-sawing: saw timber	167983, Komi Republic, Syktyvkar, m. Chovyu, ul. Melioratorov, 4	Tel. +7 (8212) 28-61-14,28-62-05, 28-63-10, inform@norwoodsm.ru, www.norwoodsm.ru
Noviy Dom, 000	Woodworking: sash pulleys, and doorsets. Wood-sawing: saw timber	168220, Komi Republic, Syktyvdinsky rayon, s. Vylgort, ul. Nagornaya, 28	Tel. +7 (8212) 55-81-20, novdom3@yandex.ru
Optima Les, 000	Lumbering. Wood-sawing: saw timber	168090, Komi Republic, Ust-Kulomsky rayon, s. Pomozdino, ul. Garazhnaya, 8	Tel. +7 (82137) 9-71-50, optimaless@rambler.ru
PechoraEnergoResource, 000	Bioenergy: wooden fuel granules. Wood-sawing: saw timber. Woodworking: glulam	169420, Komi Republic, Troitsko-Pechorsky rayon, pgt Troitsko-Pechorsk, ul. Kvartal Yuzhny, 1, kv, 47	Tel. +7 (82138) 91-104, enresurs07@yandex.ru
Salon 2000, 000	Furniture production: casegoods furniture	167000, Komi Republic, Syktyvkar, ul. Lenina, 110	Tel/fax. +7 (8212) 20-20-00, 20-39-22, salon2000@bk.ru
Sever, MF, 000	Furniture production: casegoods, children, and office furniture	168220, Komi Republic, Syktyvdinsky rayon, s. Vylgort, Sysolskoye shosse, 1	Tel. +7 (8212) 57-75-67, +7 (82130) 71-282, sewer@sewer.ru, www.sewer.ru
Severniy Les, SLDK, 000	Wood-sawing: saw timber	167009, Komi Republic, Syktyvkar, ul. Lesozavodskaya, 15	Tel. +7 (8212) 22-74-37, fax +7 (8212) 22-69-33

Name	Activity	Address	Contacts
Sevles Forest Logistic, 000	Lumbering. Wood-sawing: saw timber. Logistics: transporting	167000, Komi Republic, Syktyvkar, ul. Kolkhoznaya, 54	Tel. +7 (8212) -21-02-13, +7 (911) 922-74-92, maxim.buntov@forestlogistic.ru, www.forestlogistic.ru
SevLesPil, 000	Wood-sawing: saw timber	167026, Komi Republic, Syktyvkar, Ezhvinsky rayon, ul. Lesnaya, 2/4	Tel. +7 (8212) 63-01-00, fax +7 (8212) 63-05-09, secretary@sevlespil.com, www.sevlespil.com
SKRT-Komi, 000 (TopDom)	Wooden house construction: fabricated wooden houses, timber houses, garages, and block-containers	167000, Komi Republic, Syktyvkar, ul. Babushkina, 31, office 3	Tel. +7 (8212) 57-82-69, stroikomi@mail.ru, www.stroi-komi.ru
SLK, 000	Lumbering. Wood-sawing: saw timber	168130, Komi Republic, Priluzsky rayon, s. Obyachevo, ul. Internatsionalnaya, 13	Tel. +7 (82133) 2-30-05, 2-98-05, slkk@mail.ru, www.slkk.ru
Splav-Plus, 000	Wood-sawing: saw timber. Furniture production: casegoods furniture, and furniture from solid wood	169609, Komi Republic, Pechora, ul. Vorkutinskaya, 4	Tel. +7 (82142) 7-79-89, 7-73-02, 7-69-82, splav@splav-plus.ru, www.splav-plus.ru
SRP-Aist, 000	Furniture production: casegoods furniture. Woodworking: facades, and MDF	167000, Komi Republic, Syktyvkar, ul. Shkolnaya, 29	Tel. +7 (8212) 22-68-69, 56-46-81, 56-46-81@mail.ru, www.aistmebel.ru
Sviana MF (Tkachuk S.K., IP)	Furniture production: casegoods furniture	169336, Komi Republic, Ukhta, pgt Vodny, ul. Ukhtinskaya, 2	Tel./fax (8216) 79-96-61, 79-05-83, sviana-syktyvkar@mail.ru, www.sviana.ru
Syktyvkar Industrial Plant, 000	Woodworking: glulam, solid, and pre-fabricated boards. Wood-sawing: moulded strips. Wooden house construction	168220, Komi Republic, Syktyvdinsky rayon, s. Vylgort, Permsky per., 1	Tel. +7 (8212) 287-660, 287-661, 287-662, 287-652, espk@espk.ru, www.espk.ru
Syktyvkar Paper Products, PKP, 000	Pulp-and-paper: corrugated cardboard	167026, Komi Republic, Syktyvkar, Ukhtinskoye shosse, 56	Tel. +7 (8212) 62-01-71, 62-02-20, sales@sbi.ru, www.sbi.ru
Syktyvkar Plywood Plant, 000	Woodworking: plywood, and chipboard	167026, Komi Republic, Syktyvkar, Ukhtinskoye shosse, 66	Tel. +7 (8212) 29-37-77, 29-37-00, info@plupan.com, www.plupan.com
Syktyvkar Tissue Group, OAO	Pulp-and-paper: tissue	167026, Komi Republic, Syktyvkar, pr. Bumazhnikov, 4	Tel. +7 (8212) 62-02-20, tel./fax +7 (8212) 62-02-22, mail@sgbi.ru, www.veiro.ru
Sysolsky Lesokombinat, 000	Wood-sawing: saw timber. Lumbering	168100, Komi Republic, Sysolsky rayon, s. Vizinga, ul. Sovetskaya, 13A	Tel. +7 (82131) 9-18-91
Tekhnologii Tepla, 000	Wooden house construction: timber houses	167005, Komi Republic, Syktyvkar, ul. Industrialnaya, 3/1	Tel. +7 (8212) 55-73-78, 322-233, 213-222, ttepla@ttepla.ru, www.ttepla.ru
Tekhnopark, 000	Wooden house construction: fabricated wooden houses	167000, Komi Republic, Syktyvkar, ul. Starovskogo, 22/1	Tel. +7 (8212) 55-57-48, +7 (904) 270-57-48, interlab@mail.ru
Temnov D.S., IP	Wooden house construction: fabricated wooden houses. Woodworking: sash pulleys, and doorsets	168220, Komi Republic, Syktyvdinsky rayon, s. Vylgort, ul. Domny Kalikovoy, 15, kv.6	Tel. +7 (904) 865-84-00, www.temnov.tiu.ru
Tritex, 000	Furniture production: casegoods, and soft furniture	167000, Komi Republic, Syktyvkar, ul. Svobody, 27	Tel./fax: (8212) 24-43-40, tritek@mail.ru
Ust-Kulomsky Department of Mondi Syktyvkar OJSC	Lumbering	168074, Komi Republic, Ust-Kolomsky rayon, pos. Yugdydyag, ul. Kosmodemianskoy, 6	Tel./fax +7 (82137) 9-51-91, 9-52-70, liudmila.zhdanovich@mondigroup.com, www.mondibp.com
Vajnig-1, 000	Wood-sawing: saw timber	167000, Komi Republic, Syktyvkar, Ukhtinskoye shosse, 5	Tel. +7 (8212) 63-21-76, td_norma@mail.ru, www.np-g.ru
Vechtomov M.U., IP	Wood-sawing: saw timber, and moulded strips	167000, Komi Republic, Syktyvkar, ul. Sovetskaya, 56, kv. 1	Tel. +7 (8212) 27-48-05, 27-14-99
Vedernikov R.E., IP	Lumbering	169270, Komi Republic, Udorsky rayon, der. Razgort, ul. Tsentralnaya, 4	Tel. +7 (912) 965-14-51, +7 (912) 143-87-90
Vershina, 000	Wooden house construction: houses from round log, and glulam; and pre-fabricated houses	167000, Komi Republic, Syktyvkar, ul. Kuratova, 83, office 512	Tel. +7 (8212) 55-26-28, 55-26-28@mail.ru, www.ooo-sds.ru
Western Department, Verkhne-Vychegodsky workshop of harvesting of Mondi Syktyvkar OJSC	Lumbering	168090, Komi Republic, Ust-Kulomsky rayon, s. Pomozdino, ul. A.V. Ulyasheva, 69	Tel. +7 (821-37) 97-198, 97-1-43
Yenmar Les, 000	Lumbering. Wood-sawing: saw timber	167000, Komi Republic, Syktyvkar, ul. Internatsionalnaya, 158	Tel. +7 (8212) 21-58-41, tel./fax +7 (8212) 24-99-55, enmar@inbox.ru
Yerikov N.E., IP	Lumbering	169012, Komi Republic, Ust-Vymsky rayon, pos. Kazluk, ul. Tsentralnaya, 4, kv.1	Tel. +7 (912) 149-20-55
Yertomsky Leskhov, 000	Lumbering	169250, Komi Republic, Udorsky rayon, pos. Blagoevo, ul. Oktyabrskaya, 4	Tel. +7 (82135) 221-45
Zheshartsky Plywood Mill, ZAO	Woodworking plywood: fiberboard, and MDF	169045, Komi Republic, Ust-Vymsky rayon, pos. Zheshart, ul. Gagarina, 1	Tel. +7 (82134) 4-71-20, 4-71-87, 4-72-21, zfk@zfk.ru, www.upgweb.ru

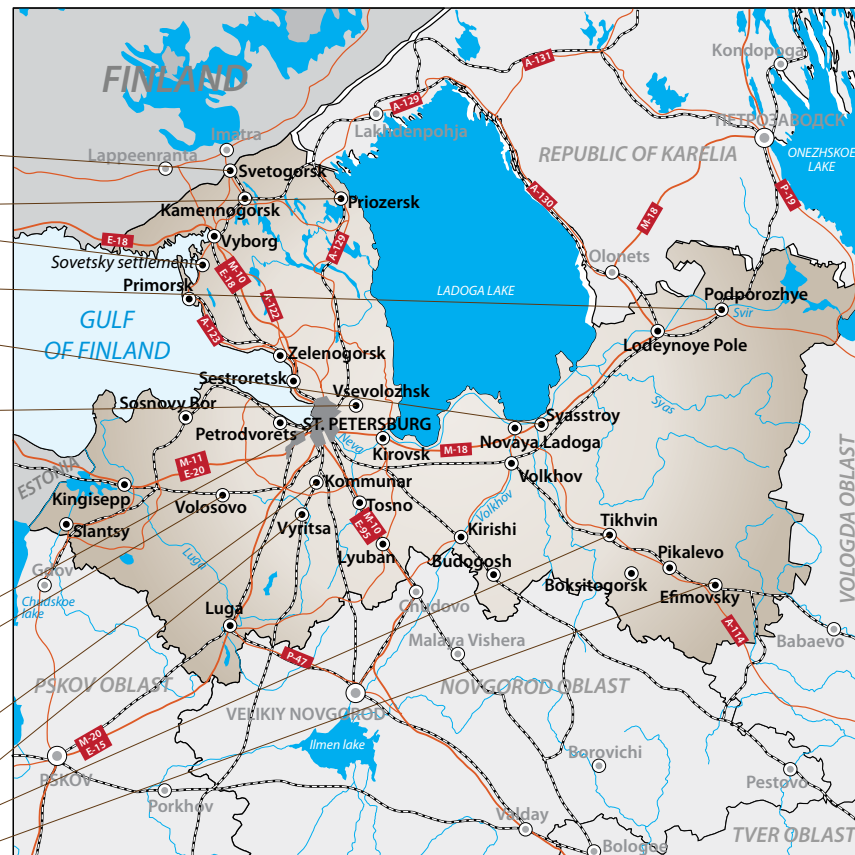
On foto:
Winner Sawmill, 2011

The Gateway to Europe

Planned over 300 years ago as a "window to Europe", St. Petersburg, and eventually also the Leningrad Oblast administrative area that surrounds the city, have increasingly lived up to the billing. The combination of highly developed industries, a dense transport network and the considerable natural resource potential ensures stability for the region.

Large-scale forestry enterprises of St. Petersburg & Leningrad Oblast

International Paper, ZAO
SCA Hygiene Products Russia,
Svetogorsk Branch, OOO
LesPlitInvest, OAO
Priozersky DOZ, OAO
Vyborg Cellulose, OAO
Metsya Svir, OOO
North-Western Holding, ZAO
Ladozhsky DSK, ZAO
Syassky PPM, OAO
GOTEK North-West, ZAO
Nevsky Laminat, Plant, OOO
Smurfit Kappa St.Petersburg, ZAO
Haus-Konzept Sodruzhestvo, OOO
Ilim Group
Ilim Timber Industry, OOO
Lesprom SPb, OAO
Pervaya Mebelnaya Fabrika
Sevzapmebel, OAO
Slavyansky DSK, OOO
SoyuzBaltComplect, OOO
Spektr, Furniture Plant, OOO
Ust-Izhorsky Plywood Mill, OAO
Volosovsky LPK, OOO
Ilim Gofra, OAO
Kommunar Paper Mill, OAO
Komsomolets Paper Mill, ZAO
St. Petersburg Cardboard-Printing Mill, OAO
Sidak-SP, OOO
Vyritsa LPK, OOO
Swedwood Tikhvin, OOO
Mayr-Melnhof Holz Efimovskij



In the Russian Federation, there are just two cities with independent status – Moscow and St. Petersburg. St. Petersburg is the administrative center of the North-West Federal District.

The population of St. Petersburg is 5 million and it is the second largest city in the Russian Federation, as well as being the northernmost city in the world with a population of over 1 million.

Since 2011, the governor of St. Petersburg has been Georgy Sergeyevich Poltavchenko.

The Leningrad Oblast is 85,900 m² and extends 500 km from west to east, and 320 km from north to south. There are 17 municipal regions in the Leningrad Oblast, one city district, and also 142 rural and 62 urban settlements within municipal regions. The permanent population numbers 1.6 million people, of whom approximately one third are rural residents.

Since 2012, the governor of the Leningrad Oblast has been Alexander Yurjevich Drozdenko.

St. Petersburg and the Leningrad Oblast are independent federal entities with their own administrations and legislation, and accordingly have their own relations with businesses. However, the activity of both entities is very closely linked, and essentially, despite the formal division, the administrative center of the Leningrad Oblast is in fact St. Petersburg. From the standpoint of the forestry sector, it makes sense to examine the two entities as a single region. Many companies with production facilities in the oblast have their head offices in St. Petersburg.

NATURE

St. Petersburg and the Leningrad Oblast are situated entirely on the Eastern European plain. The highest point is 291 m above sea level. The main soil materials are clays, loam, sands and peat.

There are 1,800 lakes in the Leningrad Oblast. The largest of them, Lake Ladoga, is the also the largest lake in Europe (18,000 km²). Lakes are particularly numerous on the Karelian isthmus, which is also distinguished by numerous rocky outcrops and a broken relief.

Protected natural territories occupy around 6% of the Leningrad Oblast.

The total length of all the rivers in the Leningrad Oblast is around 50,000 sq.m. The largest of these are the Neva, Svir, Volkhov and Vuoksa rivers.

CLIMATE

The main feature of the local weather is its changeability and instability. This is the result of a battle between two climate systems – maritime and continental.

The excessive air moisture is caused by the proximity of the Atlantic Ocean and the Baltic

Sea, and the presence of two large internal bodies of water – the lakes Ladoga and Onega.

The traditionally overcast sky and low amount of sunshine (for example, there is an average of just 62 sunny days a year in St. Petersburg) exacerbates the situation, preventing moisture from evaporating.

The region is characterized by a relatively mild winter (compared with other regions at a high latitude), with frequent thawing periods, and a moderately warm summer. The average temperature in January is –9 to –11 °C, and +16 to +18 °C in July. An absolute maximum temperature of +37.1 °C was recorded in St. Petersburg and Leningrad Oblast in 2010, and an absolute minimum of –52 °C occurred in the 19th Century.

Annual precipitation is around 700 mm. The most precipitation falls in the Lembolovo plateau, and the least in the coastal lowlands. Snow cover remains from the end of November to the middle of April.

The eastern part of the Gulf of Finland usually freezes over in November, and the rivers open up in April.

TRANSPORT

St. Petersburg is the major transport hub in the northwest of the country, and the second largest in Russia after Moscow. The entire Leningrad Oblast also has a well-developed transport network at the crossing point of routes that link Russia with other European countries.

The rail network is the leading method of transport in the oblast, and the North-West Federal District as a whole. It accounts for 83% of all cargo transportation and 40% of passenger transportation. The length of railway lines of general use in the Leningrad Oblast is 2,400 km, of which 1,500 (62.5%) are electrified. Besides St. Petersburg, important hub stations are Tosno, Gatchina, Mga, Volkhovostroi, Tikhvin, Lodeino Pole, Veimarn and Vyborg. International cargo and passenger exchange is made through the border railway stations of Luzhaika, Ivangorod and Buslovskaya. In St. Petersburg, there are five passenger railway stations: the Baltiysky, Vitebsky, Ladozhsky, Moskovsky and Finlyandsky Stations.

The length of vehicular roads in the Leningrad Oblast totals more than 13,000 km. The density of the vehicular road network is 108 km per 1,000 sq.km. The main highways that pass through the oblast are the M-10 Rossiya highway (St. Petersburg-Moscow), the M-10 Scandinavia highway (St. Petersburg-Vyborg-Finnish border), the M-11 Narva highway (St. Petersburg-Ivangorod), the M-18 Kola highway (St. Petersburg-Murmansk), and the M-20 Pskov highway (St. Petersburg-Pskov-Belarusian border). In 2001, a ring road was built around St. Petersburg, which significantly

reduced transit transport through the city. The road is 142 km long.

St. Petersburg's large port is located within city limits, providing a link with the sea and open for ships all year round. There is a passenger port terminal located on the western end of Vasilevsky Island. Commercial sea ports in the Leningrad Oblast include Primorsky, Vysotsky, Ust-Luzhsky, and Vyborgsky, while river ports in the oblast include Leningradsky, Podporozhsky and Sviritsky. The length of operational internal river routes in the Leningrad Oblast is 1,863 km.

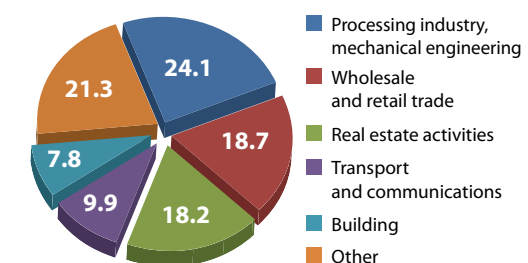
The Crete Intermodal transport corridor № 9 crosses the region from the northwest to the southeast, from Finland to countries of the Persian Gulf and India via St. Petersburg, Moscow, Astrakhan and the Caspian Sea. Corridor № 9 is linked with the Baltic corridor № 1 which traverses the following route: St. Petersburg-Narva-Tartu-Riga-Kaliningrad- Gdansk-Lubeck. Passenger air transportation is served by Pulkovo international airport, located to the south of St. Petersburg.

ECONOMY

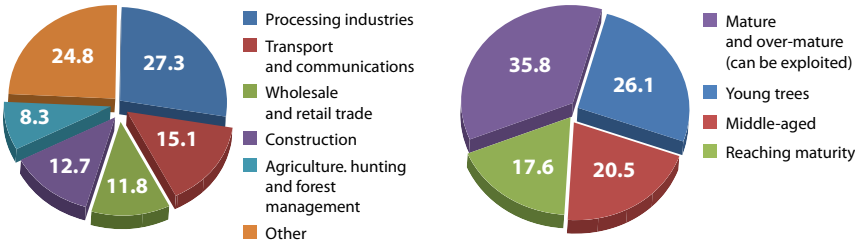
St. Petersburg is one of the most important economic centers in the Russian Federation. The gross regional product of the city in 2011 was 1.927 trillion rubles (in 2010 it was 1.662 trillion rubles). The main types of economic activity are: processing industries (24.1% of GRP), wholesale and retail trade (18.7%), property transactions (18.2%), transport and communications (9.9%), construction (7.8%), and other types of activity (21.3%).

Industry is made up of over 700 large and medium companies, and also includes over 20,000 small companies. In 2011, the value of products shipped by industry in the city came to 1.965 trillion rubles, which exceeded figures for the previous year by 34.5%. The volume of shipped products breaks down as follows: 48% consists of production of oil products, 22% of machine-building production, 13% of food products, drinks and tobacco, and 6% of metallurgy production and ready-made metal items.

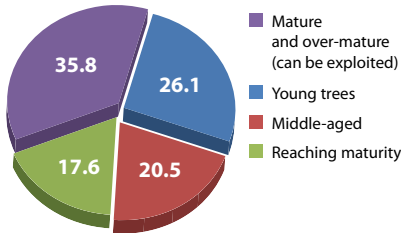
Main types of economic activity in St. Petersburg (in % of GRP)



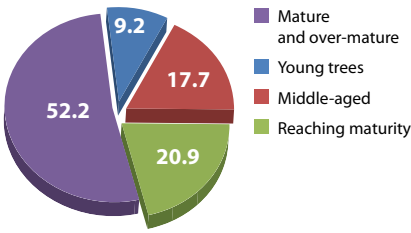
Structure of the GRP of the Leningrad Oblast by main types of economic activity, %



Distribution of area of exploited forests by age groups



Distribution of timber supplies of exploited forests by age groups



The financial market of the city is the second regional financial market in Russia by size. Its institutions are the St. Petersburg Currency Exchange, the St. Petersburg Commodity Exchange, the St Petersburg Stock Exchange, the St. Petersburg Futures Exchange, and the St. Petersburg Oil Exchange.

Fifty-six state and 45 private institutes of higher education are based in the city. St. Petersburg is the second in Russia by the number of people employed in the science and education fields, with more than 350 scientific research organizations located in the city.

The GRP of the Leningrad Oblast totaled 632 billion rubles in 2012, and in the years since the financial crisis of 2008 has shown stable growth of an average of between 4 and 7% per year. According to forecasts by the authorities of the region, expected GRP in 2015 will be 882 billion rubles.

In the breakdown of shipped products of processing industries, predominant are food products, transport and equipment, oil products, pulp-and-paper and saw mill production, and publishing and printing. Furthermore, in the east of the oblast bauxite ores and aluminum oxide are produced.

Electrical energy is represented by all its main types. The Leningrad atomic energy station is located in Sosnovy Bor, and there are major thermal power plants in Kirishi and Kirovsk. There are small hydroelectric stations on the Vuoksa, Svir and Volkhov rivers.

FOREST RESOURCE

The urban forests of St. Petersburg will not be examined in this survey, as they are very small and fulfill a protective and recreational role that is not relevant to forestry.

The total volume of timber in oblast forests is 827,900,000 m³, including coniferous – 489,000,000 m³ (59.1%). Of the total volume of forests, pine forests account for 31.8%, fir for 27.6% and birch for 28.5%.

Product manufacture of the timber industry plants, subjected to supervision in physical terms

Activities	2011	2012	2012 to 2011 (%)
Timber harvested, thou. m³	7432.9	7681.9	103
Timber processed*, thou. m³	7340.0	7620.0	104
Products manufactured			
Market pulp, thou. tons	37	38	103
Chemthermomass (BCTMP), thou. tons	208	210	101
Paper, thou. tons	476	501	105
Cardboard, thou. tons	360	369	103
Goffer cardboard, mln. m²	354	381	107
Saw timber, thou. m³	940	970	103
Chipboard, thou. m³	150	152	101
Pellets, thou. tons	45	350	777
Furniture, mln. rubles	1183	617	52

* Counting timber from other regions

Timber processing in the Leningrad Oblast in 2012

Name	Total, thou. m³	Incl. from other regions, thou. m³
Bold timber coniferous and deciduous (production of saw timber)	2172	362
Veneer logs (for veneer production)	17	14
Pulpwood (production of pulp and MDF boards), incl.:	4048	1592
– coniferous	1943	713
– deciduous	2105	879
Deciduous wood – aspen (production of chipboards)	239	67
Firewood (production of pellets)	1131	172
Total	7607	2207

Activities of finance-economic enterprises of forestry complex of the Leningrad Oblast

Name of activity	2012	2011	2012 to 2011 (%)
Production (works, services) volume without VAT, bn. Rub.	49.7	45.1	110
Volume of realization of products (works, services), bn. Rub.	52.7	46.3	110
Net profit, bn. Rub.	2.9	1.8	160
Paid taxes (federal and regional budgets), total, bn. Rub	2.5	2.4	103
Investments to the main capital, bn. Rub	3.6	4.4	81

Just more than half (52.2%) of the total volume of trees in exploited forests, i.e. forests where commercial logging of timber can be carried out, consist of mature and over-mature forests. As of early 2012, the area of forested lands covered with trees is 4,560,900 hectares, or 80.3% of the total area of lands of the forest resource. In exploited forests, the area of lands covered with trees is 2,278,500 hectares, or 49.9% of the total area covered with forest.

Of the total area of exploited forests, coniferous species account for 55.5%, and soft-wooded broadleaved species for 44.5%. Of the total area of mature and over-mature trees, coniferous species occupy 59.4%, and soft-wooded broadleaved species 40.6%.

The total mean increment of timber is over 13 million m³ per year. The average timber supply per 1 hectare is 175 m³.

The forest plan for the Leningrad Oblast has established the volume of annual use at 7.9 million m³ of timber in felling mature and over-mature trees, and carrying out sanitary and corrective measures and felling to protect the forest. This is 4.5 million m³ less than before the new Forestry Code came into force.

Almost 90% of the territory of the forest resource is leased, i.e. there are virtually no free lots for lease. There is already a stable pool of reliable forest users who have been working in the region's forestry complex for several years, and so that the problem of unscrupulous forest users is not as serious as in the majority of other regions in the Russian Federation.

For 2011, actual logging in the forests of the Leningrad Oblast came to 7.4 million m³, of which lessees of forest plots accounted for 6.9 million m³. In 2010, actual logging came to 6.1 million m³, exceeding figures for 2009 by one and a half times. The growth of logging volumes is explained at the Committee for Natural Resources of the Leningrad Oblast by the following factors: the compulsory accident clean-up of the hurricane of summer 2010, an increase in volumes of logging by losses of forest plots, and an increase in the number of lease agreements for forest plots with an established level of use of 1.1 million m³ and more.

The Leningrad Oblast is a leader among Russian regions in forest restoration. The plan for 2012 for forest restoration was fully achieved and carried out across an area of more than 16,000 hectares. Furthermore, a forestry selection and seed centre has been put into operation, with sufficient capacity to allow for up to 8 million seedlings to be planted in forests annually, with improved characteristics for plantation in logging areas.



Syassky PPM



An operator of sawmill line in Metsya Svir in Podporozhie



Metsya Svir



FORESTRY COMPLEX

Twelve percent of the total volume of industrial production in the Leningrad Oblast is accounted for by forestry activity. In 2012, forestry

enterprises in the oblast manufactured products valuing almost 50 billion rubles, made from lumber logs, and coniferous and soft-wooded broadleaved timber. The structure of the forestry complex of the region includes all areas of timber processing,

from logging to production of pulp-and-paper and cardboard, and manufacture of furniture and wooden house construction.

According to the Leningrad Oblast Committee for Natural Resources, local enterprises are capable of processing up to 7.5 million m³ of raw wood material, while the share of coniferous and hardwood species in the processing volume amount to over 80%. The committee states that processing low-quality timber is one of the priorities in the development of the forestry industry of the oblast for the thorough use of the region's forest resources.

Investment in the forestry complex of the region totaled 3.9 billion rubles in 2011. There is no data for 2012 investment yet, but it may be assumed that their volume slightly exceeded that for the year before. No new major projects were launched in the region, and investment funds were spent primarily on projects which were launched before the economic crisis, or went toward the modernization of existing production facilities.

Major projects realized this year are the MM Holz Yefimovsky plant reaching its projected capacity of 340,000 m³ of sawn materials per year, and the launch of production of bleached chemical thermomechanical pulp at a capacity of 200,000 tons per year at International Paper.

Yevgenia CHABAK,
Oleg PRUDNIKOV

St. Petersburg government authorities responsible for timber industry regulation

Governor Poltavchenko Georgy Sergeyeovich
Russian Federation, 191060, St. Petersburg, Smolny
Tel. +7 (812) 576-70-94
Fax +7 (812) 576-76-41
ukog@gov.spb.ru
www.gov.spb.ru

St. Petersburg Committee for Industrial Policy and Innovation
Chairman Meiksin Maxim Semyonovich
Russian Federation, 190000, St. Petersburg, 16 Voznesensky pr.
Tel. +7 (812) 576-00-02
Fax +7 (812) 570-36-22
www.gov.spb.ru

Leningrad Oblast government authorities responsible for timber industry regulation

Head of Government, Governor Drozdenko Alexander Yurjevich
Russian Federation, 191311, St. Petersburg,
67 Suворovsky pr.
Tel.: +7 (812) 577-47-74, 710-32-59
Fax +7 (812) 576-64-04
www.lenobl.ru

Committee for the Control of Nature Management and the Ecological Safety of the Leningrad Oblast
Chairman Kozminykh Mikhail Yurevich
Russian Federation, 197342, St. Petersburg, 4 ul. Torzhkovskaya
Tel. +7 (812) 496-21-96, fax +7 (812) 496-22-14
gosecocontrol@lenreg.ru, eco.lenobl.ru

Enterprises of the forestry industry of Saint-Petersburg and the Leningrad Oblast

Name	Activity	Address	Contacts
47, Group of Companies	Wooden house construction: log houses. Woodworking: timber	194356, St. Petersburg, Vyborgskoye shosse, 212, exhibition Cottages in Ozerki	Tel. +7 (812) 961-02-69, 942-22-74, info@gk47.ru, www.gk47.ru
ACA Hygiene Products Russia, Svetogorsky Filial, 000	Pulp-and-paper: tissues	188991, Leningrad obl., Svetogorsk, ul. Zavodskaya, 21	Tel. +7 (812) 320-48-34, fax +7 (812) 320-48-35, svetogorsk@sca.com, www.sca.com
Academy of Construction, 000	Wooden house construction: glulam houses	191040, St. Petersburg, Ligovsky pr., 50, korp. 11, office 84A	Tel. +7 (812) 309-01-09, 3600121@mail.ru, www.akastroy.ru
Alder, 000	Woodworking: doors from solid wood	190020, St. Petersburg, nab. Obvodnogo Kanala, 223-225	Tel. +7 (812) 648-88-78, 903-07-64, info@alderdoors.ru, www.alderdoors.ru
Alestro, 000	Wooden house construction: houses from round log. Wood-sawing: saw timber. Production and trade of working clothes	198216, St. Petersburg, pr. Narodnogo Opolcheniya, 22	Tel. +7 (812) 377-14-01, 973-47-63, 364-64-88, alestro@yandex.ru, www.alestro.ru
Alewood Group	Woodworking: doors	198216, St. Petersburg, Leninsky pr., 140, BC Kosmopro, office 303	Tel. +7 (812) 649-11-08, 649-11-08, office@alewood.ru, www.alewood.ru
Amarant, 000	Woodworking: furniture facades, and doors	192007, St. Petersburg, ul. Voronezhskaya, 37	Tel. +7 (812) 337-20-19, zakaz@fasadart.ru, www.fasadart.ru
Arctic-House, 000	Wooden house construction: pre-fabricated houses	191186, St. Petersburg, ul. Millionnaya, 19	Tel. +7 (812) 98-520-98, www.arctic-house.ru
Arkhangelsk-Les, 000	Lumbering. Wood-sawing: saw timber, and moulded strips.	195030, St. Petersburg, ul. Elektropul'tovtsev, 7, str. 34	Tel. +7 (812) 458-56-53, 975-02-77, sale@arhles.net, www.arhles.net
Art Cork Design, 000	Wood-sawing: cork moulded. Woodworking: cork surfaces	197343, St. Petersburg, ul. Studencheskaya, 10, TK Lanskoj, B10	Tel. +7 (812) 332-61-81, artcorkdesign@yandex.ru, www.artcorkdesign.ru
Art-Parquet, 000	Woodworking: parquet	193318, St. Petersburg, pr. Pyatiletok, 3, kv. 193	Tel. +7 (911) 23-24-309, art-parket2004@mail.ru
Atlantis, 000	Wood-sawing: saw timber, and moulded strips	196247, St. Petersburg, Leninsky pr., 151, PO Box 63	Tel. +7 (812) 642-15-46, fax +7 (921) 929-82-82, atlantis-1991@bk.ru, www.atlantis1991.narod.ru
Avrora, 000	Woodworking: sash pulleys	192007, St. Petersburg, nab. Reki Volkovki, 17, office 207	Tel. +7 (812) 606-61-09, 966-00-06, avrora-okna@list.ru, www.avrora-okna.ru
Ballada, 000	Wood-sawing: saw timber	187555, Leningrad obl., Tikhvin, ul. Shkolnaya, 6A	Tel. +7 (81367) 57955
Baltic Cellulose, ZAO	Pulp-and-paper: cellulose, cardboard, offset paper, newsprint, and thermal paper	197136, St. Petersburg, ul. Podkovyrova, 16/65	Tel. +7 (812) 327-36-05, tel./fax +7 (812) 320-28-70, marketing@baltcell.ru, www.baltcell.ru
Baltic Timber-Industrial Holding, ZAO	Bioenergy: wooden fuel granules	188480, Leningrad obl., Kingisepp, Glavpochtamt, PO Box 35	Tel. +7 (81375) 4-16-08, maxpoldnev@mail.ru
Baltupak, TD, 000	Pulp-and-paper: goffer packaging	197342, St. Petersburg, ul. Beloostrovskaya, 20, office 21	Tel. +7 (812) 337-66-04, mail@baltupak.com, www.baltupak.com
Belhouse, 000	Wooden house construction: pre-fabricated houses, and frame-houses	197022, St. Petersburg, Aptekarsky pr., 5, office 217	Tel. +7 (812) 943-40-72, fax +7 (812) 313-01-09, info@belhouse.info, www.belhouse.info
Bezskolov, Company +7 (Migonko V.U., IP)	Woodworking: furniture facades	188684, Leningrad obl., Vsevolozhsky rayon, pos. Dubrovka, ul. Sovetskaya, 1	Tel. +7 (813) 707-63-68, migonko@mail.ru, www.bezskolov.ru
Canadsky Dom, GK, 000	Wooden house construction: pre-fabricated houses	197343, St. Petersburg, ul. Studencheskaya, 10, TK Lanskoj	Tel./fax +7 (812) 332-59-31, info@canadadom.net, www.kd-sip.ru
Canyon, 000	Wood-sawing: saw timber	187600, Leningrad obl., Boksitogorsky rayon, Pikaliovo, Spryamlyonnoye shosse, 1	Tel. +7 (812) 329-44-80, +7 (921) 956-10-58, www.kanyon.ru
Cardboard-Paper Mill, 000	Pulp-and-paper: cardboard-paper products	188354, Leningrad obl., Gatchinsky rayon, der. Maloye Derevo, ul. Kutysheva, 6A	Tel. +7 (81371) 53-468, fax +7 (81371) 53-292, fkb@mail.ru

Name	Activity	Address	Contacts
Country, 000	Wooden house construction: frame-houses	195197, St. Petersburg, Kondratievsky pr., 15/3, office 231C, BC Kondratievsky	Tel./fax +7 (812) 329-44-85, tel. +7 (812) 927-88-59, kizhy@mail.ru, www.stranadomov.ru
CSI, 000	Woodworking: stairs, doors, arches, ceiling beams, chairs, counters, and stacks	195030, St. Petersburg, ul. Kommuni, 67	Tel. +7 (921) 357-5021, +7 (812) 527-6676, tel/fax +7 (812) 612-1515, 5276676@mail.ru, www.centersi.spb.ru
D.Craft, 000	Woodworking: interior doors	192019, St. Petersburg, nab. Obvodnogo Kanala, 24A, BC Obvodny, office 132	Tel. +7 (812) 449-90-07, 449-45-55, d-craft@d-craft.ru, www.d-craft.ru
Delo, ZAO	Wood-sawing: saw timber	188760, Leningrad obl., Priozersk, Sortavalskoye shosse, 73	Tel. +7 (812) 900-53-42; fax +7 (812) 792-24-99, lesmaster@mail.ru
Derevianniye Konstruktsii, PKF, 000	Woodworking LVL, wooden constructions. Wooden house construction: pre-fabricated wooden houses	197374, St. Petersburg, ul. Mebelnaya, 12/1, lit. A., office 31	Tel. +7 (812) 313-36-40, 313-36-41, info@pkfdk.ru, www.pkfdk.ru
Derevoobrabotka, ZAO	Woodworking: doorsets	188360, Leningrad obl., Gatchinsky rayon., pos. Voyskovitsy	Tel. +7 (81371) 63-197, tel./fax +7 (81371) 63-195, derevoob@mail.ru, www.stendor.su
DFI, 000	Woodworking: doorsets	192236, St. Petersburg, ul. Bely Kuna, 34	Tel./fax +7 (812) 334-99-09, info@dfispb.ru, www.dfispb.ru
Dolce Porte, 000	Woodworking: interior doors	191002, St. Petersburg, ul. Pravdy, 7	Tel. +7 (812) 713-36-26, info@dolceporte.ru, www.dolceporte.ru
Doma na Vybor, 000	Wooden house construction: pre-fabricated houses, and glulam houses	197229, St. Petersburg, Lakhtinsky pr., 85	Tel. +7 (812) 336-26-26, contact@dom-nv.ru, www.dom-nv.ru
Dom-Exclusive, 000	Wooden house construction: glulam houses. Woodworking: glulam	196135, St. Petersburg, ul. Lensoveta, 3, office 17	Tel. +7 (812) 921-05-88, 451-88-88, fax +7 (812) 373-68-43, dom-ex@yandex.ru, www.dom-exclusive.ru
Domkomplekt, 000	Wooden house construction: frame-houses	194358, St. Petersburg, ul. Simonova, 4/1	Tel. +7 (812) 715-12-37, +7 (921) 930-74-29, info@domocomplect.ru, www.domocomplect.ru
Domostroiev, 000	Wooden house construction: glulam houses, houses from round log, and pre-fabricated houses	197022, St. Petersburg, Aptekarskaya nab., 12	Tel. +7 (921) 929-27-20, +7 (950) 040-76-96, +7 (921) 864-39-77, info@domostroiev.com, www.domostroiev.com
Dorlini, 000	Woodworking: interior doors	195248, St. Petersburg, shosse Revoliutsii, 84	Tel. +7 (812) 336-96-73, info@dorlini.ru, www.dorlini.ru
Ekurus, ZAO	Wood-sawing: saw timber	188800, Leningrad obl., Vyborg, Promzona Lazarevka	Tel./fax: +7 (812) 320-40-39, 320-40-46, +7 (81378) 2-21-44, ekurus@vbg.ru
Elpiko, PK, 000	Woodworking: doors. Furniture production: furniture from solid wood	194044, St. Petersburg, ul. Mendeleevskaya, 2, office 312	Tel. +7 (812) 334-00-67, 329-49-66, pk@elpiko.ru, www.elpiko.ru
Energia SPb, 000	Woodworking: wooden pallets	188990, Leningrad obl., Svetogorsk, ul. Pobedy, 57A	Tel./fax +7 (813) 784-55-73, tel. +7 (921) 439-28-58, info@newpallet.ru, www.newpallet.ru
Fanplast, OAO	Woodworking: plywood, veneer, and wooden plastic	191119, St. Petersburg, ul. Dnepropetrovskaya, 8	Tel. +7 (812) 764-10-94, fax +7 (812) 764-24-86, fanplast@mail.wplus.net, www.fanplast.sp.ru
Filter Fabrics, NPP, ZAO	Pulp-and-paper: filter paper	187330, Leningrad obl., Kirovsky rayon, Otradnoye, ul. Tsentralnaya, 4	Tel. +7 (81362) 437-12, 419-38, info@filter-m.ru, www.filtermaterials.ru
Fineks, 000	Lumbering	187110, Leningrad obl., Kirishi, pr. Geroiev, 16, office 318	Tel. +7 (81368) 550-59, fineks.les@mail.ru
Fin-Stroymaterial, ZAO	Wood-sawing: saw timber	197348, St. Petersburg, Bogatyrsky pr., 18/3	Tel. +7 (812) 329-88-22, fax +7 (812) 329-88-85, info@finsm.ru, www.fin-sm.ru
F-Massive Floors, 000	Woodworking: planks from solid wood	197343, St. Petersburg, ul. Studencheskaya, 10, TK Lanskoj, B43	Tel. +7 (812) 332-89-40, 982-88-84, fedotov@massiv.biz, www.massiv.biz
Fokstrot SPb, 000	Woodworking: interior doors, arches, and doors from solid wood	199178, St. Petersburg, Maly pr., VO, 58	Tel. +7 (812) 715-23-70, 677-23-70, fokstrot2009@mail.ru, www.fokstrot.ru
Forest Service, 000	Lumbering	188480, Leningrad obl., Kingisepp, PO Box10	Tel. +7 (81375)-2-75-23, forest-servis.ltd@yandex.ru
FortStroy, 000	Woodworking: interior doors	195000, St. Petersburg, ul. Sikeirosa, 7/1, 181	Tel./fax +7 (812) 313-19-07, fortstroy777@gmail.com, www.sfortis.ru
Framir, Door Plant (Krychkov P.V., IP)	Woodworking: doors	196620, Leningrad obl., Pavlovsk, pos. Dinamo, Pavlovskoye shosse, 5A	Tel. +7 (812) 452-34-20, +7 (911) 971-02-72, partnerframyr@mail.ru, www.framyr.ru

Name	Activity	Address	Contacts
Frost, 000	Woodworking: wooden boards. Wood-sawing: saw timber	193230, St. Petersburg, ul. Krylenko, 2A	Tel. +7 (812) 740-75-72, 740-75-73, info@frostspsb.ru, www.frostspsb.ru
Garus, 000	Wooden house construction: pre-fabricated houses	194017, St. Petersburg, ul. Gdanskaya, 7	Tel./fax: +7 (812) 293-04-26, 293-04-24, garus-sip@mail.ru, www.garus.su
Gatchinsky 25 DOK, Filial OAO PEU	Woodworking. Furniture production: casegoods furniture	188350, Leningrad obl., Gatchina, ul. Zhemchuzhina, 5	Tel. +7 (81371) 225-25, fax +7 (81371) 945-07, 25dok@mail.ru
General Sattelite	Wooden house construction	197110, St. Petersburg, ul. Novoladozhskaya, 4	Tel. +7 (812) 332-86-68, fax +7 (812) 332-86-69, dolgopolsky@spb.gs.ru, www.gs.ru
Gotek North-West, ZAO	Pulp-and-paper: packaging	188681, Leningrad obl., Vsevolozhsky rayon, der. Novosaratovka	Tel. +7 (812) 655-06-19, 655-06-20, fax +7 (812) 655-06-22, spb-reception@gotek.ru
Graal, 000	Wooden house construction: pre-fabricated wooden houses	198152, St. Petersburg, ul. Zaytseva, 15	Tel. +7 (812) 320-90-11, 9556810@mail.ru
Granat, 000	Woodworking: interior doors	192029, St. Petersburg, ul. Dudko, 3	Tel. +7 (812) 601-05-14, www.granatdoors.ru
Grand Massive, 000	Woodworking: doors. Furniture production: furniture for pubs	190005, St. Petersburg, Izmaylovsky pr., 24, office 112	Tel. +7 (812) 326-06-44, 325-51-51, +7 (81371) 3-03-70, info@grandmassiv.ru, www.grandmassiv.ru
GrandLes, 000	Wooden house construction: glulam houses	192019, St. Petersburg, nab. Obvodnogo Kanala, 14	Tel. +7 (812) 449-73-26, 448-65-09, 920-11-79, grandles@mail.ru, www.grandles.ru
Green Ray, DOK, 000	Wood-sawing: saw timber, plank, and timber	194358, St. Petersburg, ul. Shostakovica, 3/1, office 14H	Tel. +7 (812) 642-21-33, fax +7 (812) 296-51-41, greenray2010@yandex.ru, www.prof-brus.ru
Greenside, 000	Wooden house construction: glulam houses	198206, St. Petersburg, Petergofskoye shosse, 73, LEMZ	Tel. +7 (812) 327-91-11, tel./fax +7 (812) 327-91-31, info@greenside.ru, www.greenside.ru
Gyuis, 000	Wooden house construction: glulam houses, shield houses, and frame- houses	196070, St. Petersburg, Moskovsky pr., 163/2, office 1	Tel./fax +7 (812) 388-98-09, sadstroj@yandex.ru, www.sadstroj.spb.ru
Haus-Conzept Sodruzhestvo, 000	Wooden house construction: glulam houses	197341, St. Petersburg, pr. Kolomiazhsky, 33, BC Sodruzhestvo	Tel. +7 (812) 380-86-10, 716-42-24, info@bkdk.ru, www.brus-haus.ru
Ilim Gofra, OAO (a part of Ilim Group)	Pulp-and-paper: goffer packaging, offset paper, and cellulose	188321, Leningrad obl., Kommunar, ul. Pavlovskaya, 13	Tel. +7 (812) 332-72-22, fax +7 (812) 332-74-41, gofra@ilimgroup.ru, www.ilimgroup.ru
Ilim Group	Pulp-and-paper: container board, paper, cellulose, and goffer packaging	191025, St. Petersburg, ul. Marata, 17	Tel. +7 (812) 718-60-50, 718-60-06, office@ilimgroup.ru, www.ilimgroup.ru
Ilim Timber Industry, 000	Wood-sawing: saw timber. Woodworking: plywood, and fiberboard	197022, St. Petersburg, Aptekarskaya nab., 20A	Tel./fax +7 (812) 332-72-27, office@ilimtimber.com, www.ilimtimber.com
Inardi, 000	Woodworking: furniture facades, and doors	194352, St. Petersburg, ul. Kompositorov, 10, office 188H	Tel. +7 (812) 740-56-16, 982-09-01, 982-09-02, info@inardi.ru, www.inardi.ru
Intek, 000	Woodworking: interior arches, furniture shields, and perforated boards	192177, St. Petersburg, Rybatsky projezd, 35	Tel. +7 (812) 301-9140, +7 (909) 583-11-88, spb@intek.ru, www.intek.ru
International Paper, ZAO	Pulp-and-paper: paper, and cardboard	188991, Leningrad obl., Svetogorsk, ul. Zavodskaya, 17	Tel. +7 (812) 320-48-31, irina.guseva@svetogorsk.com, www.internationalpaper.com
Invido, OAO	Woodworking: sash pulleys	191002, St. Petersburg, Zagorodny pr., 18/2, lit. A	Tel. +7 (812) 325-11-55, 659-75-05, 658-75-35, fax +7 (812) 691-75-45, spb@eurotiivi.ru, www.eurotiivi.ru
Kangas, 000	Wood-sawing: moulded strips, saw timber	188338, Leningrad obl., Gatchinsky rayon, pos. Belogorka, ul. Institutskaya, 20	Tel. +7 (921)188-07-80, +7 (921) 408-89-05, info@kangasles.ru, www.kangasles.ru
Karkas House, 000	Wooden house construction: frame-houses	196191, St. Petersburg, Leninsky pr., 168/4	Tel./fax +7 (812) 449-25-73, reklama@karkashouse.ru, www.karkashouse.ru
Kingiseppsky Lespromkhoz, ZAO	Lumbering	188480, Leningrad obl., Kingisepp, ul. Dorozhnikov, 35	Tel./fax +7 (813-75) 2-88-17, 4-01-30, 4-01-20, lphking@rambler.ru
Kir, ZAO	Wood-sawing: saw timber, moulded strips	198205, St. Petersburg, ul. Rabochaya, 4A	Tel. +7 (812) 735-90-67, fax +7 (812) 735-90-86, kir-sale@mail.ru
Kirishi Lesprom, 000	Lumbering	187110, Leningrad obl., Kirishi, pr. Geroiev, 16, office 508	Tel. +7 (81368) 52-788, 53-280, kirlsprom@mail.ru

Name	Activity	Address	Contacts
Kirishi Woodworking Company, 000	Lumbering. Wooden house construction: houses from round log. Wood-sawing: saw timber	187110, Leningrad obl., Kirishi, pr. Geroiev, 16, office 414	Tel. +7 (81368) 2-06-01, inna.kdk@yandex.ru
Kommunar Paper Mill, OAO	Pulp-and-paper: paper, and cardboard	188320, Leningrad obl., Gatchinsky rayon, Kommunar, ul. Fabrichnaya, 1	Tel. +7 (812) 460-10-95, 460-06-67, 460-30-93, paper@kommunar.com.ru, www.kommunar.ru
Komsomolets Paper Mill, ZAO	Pulp-and-paper: paper, and cardboard	188322, Leningrad obl., Kommunar, ul Sovetskaya, 1	Tel. +7 (812) 460-03-78, komsomol.bf@bk.ru
Krasnogorodskaya Experimental Paper Mill, OAO	Pulp-and-paper: electric paper	198320, Leningrad obl., Krasnoye Selo, ul. 1-go Maya, 2	Tel. +7 (812) 741-19-29, 749-89-34, krasnogorodkabf@mail.ru, www.kebf.spb.ru
Krona Service, 000	Woodworking: sash pulleys	195248, St. Rskaya, 9, prokhodnaya DOZ-2	Tel. +7 (812) 222-30-53, krona-okna@mail.ru, www.kronaokna.ru
Krona, 000	Lumbering. Wood-sawing: saw timber	187460, Leningrad obl., Volkhovский rayon, s. Pasha, Promzona Kumbita	Tel./fax +7 (81363) 412-88, kumbitales@mail.ru
Ksil, ZAO	Woodworking: elements for playgrounds	194223, St. Petersburg, pr. Svetlanovsky, 25	Tel. +7 (812) 552-62-09, fax +7 (812) 552-88-48, spb@ksil.ru
Kvant, 000	Woodworking: stairs, floors, and, sash pulleys	195030, St. Petersburg, ul. Khimikov, 28K, pom. 22H	Tel. +7 (812) 973-81-80, tel./fax +7 (812) 527-60-80, kvant2000@bk.ru, www.kvant2000.ru
Ladozhsky DSK, ZAO	Wooden house construction: glulam houses	187432, Leningrad obl., Volkhovский rayon, pos. Avrovo, ul. Tsentralnaya, 6A	Tel./fax +7 (812) 458-86-10, -11, -12, laddsk@yandex.ru, www.l-dsk.ru
Laminated Plastics Plant, 000	Pulp-and-paper: paper laminated plastic	195248, St. Petersburg, shosse Revolutsii, 84	Tel. +7 (812) 458-59-47, +7 (911) 208-42-17, astahova@sloplast.ru, www.sloplast.ru
Lariks, 000	Wood-sawing: saw timber. Wooden house construction: glulam houses, houses from round log.	199106, St. Petersburg, pl. Morskoy Slavy, 1, office 6122	Tel. +7 (812) 493-55-08, info@100dom.ru, www.100dom.ru
Lemo Planery, 000	Lumbering. Wood-sawing: saw timber	197198, St. Petersburg, ul. Dobrolyubova, 19, office 36	Tel. +7 (812) 318-50-08, les_spb@mail.ru
LenLes, 000	Wood-sawing: saw timber	188410, Leningrad obl., Volosovo, ul. Khrustitskogo, 78, office 24	Tel. +7 (921) 904-42-84, ooo_lenles@mail.ru
LenWood, 000	Wood-sawing: saw timber, moulded strips	191023, St. Petersburg, Muchnoy per., 4, kv. 317	Tel. +7 (812) 438-04-33, +7 (921) 959-33-48, info@lenwood.ru, www.lenwood.ru
Leskombinat, 000	Wood-sawing: saw timber. Woodworking: wooden packaging	192007, St. Petersburg, ul. Tosina, 7/2, lit. A	Tel. +7 (812) 454-55-46, 995-03-60, info@lesokombinat-spb.ru, www.lesokombinat-spb.ru
LesPlitInvest, OAO	Woodworking: MDF, and doorsets. Wood-sawing: moulded strips	188760, Leningrad obl., Priozersk, ul. Inzhenernaya, 13	Tel. +7 (812) 326-98-79, 709-00-52, fax +7 (812) 709-08-65, marketing@plit.ru, www.plit.ru
Lesprom SPb, OAO	Woodworking: plywood	196644, Leningrad obl., St. Petersburg, Kolpinsky rayon, pos. Sapiorny, Baltica Plant territory	Tel. +7 (812) 462-81-11, fax +7 (812) 462-82-22, mail@baltica-lesprom.ru
Lesprom, 000	Wooden house construction: frame-houses, pre-fabricated houses, log houses, and bathhouses	195196, St. Petersburg, Rizhskaya ul., 1, office 303, BC Nautilus	Tel. +7 (812) 244-05-51, 982-09-93, office@lespromspb.ru, www.lespromspb.ru
Lesprom, 000	Wood-sawing: saw timber. Woodworking: sleepers, timber for point switch, and transmission towers. Wooden house construction: log houses	197348, St. Petersburg, pr. Aviakonstruktorov, 5/2, str. A, office 47	Tel./fax +7 (812) 348-07-26, 324-97-78, lesprom98@mail.ru, www.woodshpala.ru
Listvyanka, 000	Lumbering. Wood-sawing: moulded strips	199004, St. Petersburg, Volkhovский per., 6	Tel. +7 (921) 582-90-71, listvyanka178@gmail.com, www.листвянка178.рф
LiveinWood, Company +7 (Korogodin V.S., IP)	Wooden house construction: glulam houses, and pre-fabricated houses	194100, St. Petersburg, ul. Kantemirovskaya, 1/1	Tel. +7 (812) 313-44-77, 295-93-86, sale@liveinwood.ru, www.liveinwood.ru
LVL Stroy Konstrukcii, 000	Woodworking stairs. Wooden house construction.	195067, St. Petersburg, ul. Shatiornaya, 6/3, office 2	Tel. +7 (812) 971-00-44, fax +7 (812) 299-15-47, info@lvlsk.ru, www.lvlsk.ru

Name	Activity	Address	Contacts
Marjino, 000	Wood-sawing: saw timber. Wooden house construction: frameworks from round log	187322, Leningrad obl., Kirovsky rayon, pos. Sinyavino-1, ul. Sadovaya, 1B	Tel. +7 (911) 242-45-88, +7 (81362) 63-254, artemwoodprod@mail.ru
MaxStroy, 000	Wood-sawing: saw timber	197348, St. Petersburg, Kolomiazhsky pr., 10	Tel. +7 (812) 640-18-47, +7 (911) 733-89-99, maxstroy-wood@yandex.ru
Mayr-Melnhof Holz Efimovskij	Lumbering. Wood-sawing	187620, Leningrad obl., Boxitogorsky rayon, pgт Yefimovsky, ul. Gagarina, 30	Tel. +7 (813) 664-66-69, fax +7 (812) 493-30-45, russland@mm-holz.com, www.mm-holz.com
MD-Stroy, 000	Wooden house construction: frame-houses	188663, Leningrad obl., Vsevolozhsky rayon, pos. Kuzmolov, Leningradskoye shosse, 4, kv.9	Tel. +7 (812) 449-43-60, +7 (911) 152-48-94, mdstr@ya.ru, www.md-stroy.ru
Megateh, 000	Lumbering	188230, Leningrad obl., Luga, pr. Uritskogo, 39	Tel. +7 (81372) 415-80, megateh@lsi.ru
Mera SK, 000	Wooden house construction: glulam houses	198095, St. Petersburg, pr. Stachek, 16A, pom. 32H	Tel./fax +7 (812) 740-78-40, info@skmera.ru, www.skmera.ru
Metrobeton, ZAO	Wooden house construction: glulam houses. Woodworking: sash pulleys, and doorsets	197349, St. Petersburg, ul. Novonikitskaya, 17	Tel./fax +7 (812) 320 42 27, tel +7 (911) 101-20-95, metrookna@yandex.ru, www.metrookna.spb.ru
Metsya Forest Podporozhie, 000	Lumbering	187780, Leningrad obl., Podporozhie, pr. Lenina, 53A	Tel. +7 (81365) 2-20-65, fax +7 (81365) 2-04-26, mlpdp@mail.ru
Metsya Svir, 000	Wood-sawing: saw timber. Woodworking	187780, Leningrad obl., Podporozhie, PO Box 52	Tel. +7 (812) 380-51-66, fax +7 (812)380-51-79
Mir Okon, Company	Woodworking: sash pulleys	191123, St. Petersburg, ul. Chaikovskogo, 81	Tel. +7 (812) 940-95-70, info@mirokonspb.ru, www.mirokonspb.ru
Modex, PSK, 000	Woodworking: sash pulleys, and doorsets, stairs. Furniture production: garden furniture	193079, St. Petersburg, Oktyabrskaya nab., 102A	Tel. +7 (812) 448-00-48, fax +7 (812) 448-00-49, info@modex.ru, www.modex.ru
Narodny Dom, 000	Wooden house construction: houses from round log	196233, St. Petersburg, pr. Kosmonavtov, 42/1	Tel. +7 (812) 364-91-52, narod.dom@mail.com, www.narod-dom.com
Nevsky Laminat, Plant, 000	Woodworking: facades, MDF, chipboard, and laminated chipboard	188684, Leningrad obl., Vsevolozhsky rayon, pos. Nevskaya Dubrovka, ul. Sovetskaya, 1	Tel. +7 (812) 337-22-73, 324-56-47, 324-77-39, info@dspnd.ru, www.dspnd.ru
Nevsky Style, PK, 000	Woodworking interior doors	187002, Leningrad obl., Tosnensky rayon, Tosno, Moskovskoye shosse, 15	Tel. +7 (812) 925-88-11, +7 (813-61) 42-990, 42-227, nevastil@mail.ru, www.nevskystyle.ru
Niks, NPF, 000	Wood-sawing: saw timber. Woodworking: glulam	197375, St. Petersburg, ul. Avtobusnaya, 7	Tel. +7 (812) 301-73-98, 303-06-35, 303-06-60, baza@niks.spb.ru, www.niks.spb.ru
Nord, ZAO	Wood-sawing. Lumbering	194156, St. Petersburg, Svetlanovsky pr., 2, office 401	Tel. +7 (812) 303-80-32, fedor.76@list.ru, www.nordhaus.ru
North-Western Holding, ZAO	Lumbering. Bioenergy: pellets	187780, Leningrad obl., Podporozhie, ul. Fizkulturnaya, 34	Tel. +7 (81365) 3-04-96, +7 (812) 329-39-08, szh_office-manager@karoteks.ru
Orlov IS, 000 (Orlov and Suns)	Wooden house construction: glulam houses, frame-houses	191025, St. Petersburg, pr. Vladimirsky, 14	Tel. +7 (812) 600-05-19, ons.co@yandex.ru, www.orlovnsons.ru
Panorama Dom, 000	Wooden house construction: houses from round log, bathhouses, pre-fabricated wooden houses, and timber houses	196084, St. Petersburg, ul. Cvetochneya, 16, BC Osipoff, office 428	Tel. +7 (812) 643-38-88, dom-brus@bk.ru, www.panoramadom.ru
Parquetny Dvor (ArtFlorParquet, 000)	Woodworking: parquet, and parquet plank	199155, St. Petersburg, ul. Zheleznovodskaya, 13	Tel. +7 (812) 951-06-47, parketmasters@mail.ru, www.parket.spb.ru
Pervaya Dvernaya Fabrika, 000	Woodworking: doors	196070, St. Petersburg, pl. Chernyshevskogo, 10	Tel. +7 (812) 984-98-86, info@1f-dvereva.ru, www.1f-dvereva.ru
Pervaya Mebelnaya Fabrika	Furniture production: furniture for office, hotel, and kitchen	190000, St. Petersburg, PO Box 1156	Tel. +7 (812) 777-04-44, 244-90-44, info1mf@1mf.ru, www.1mf.ru
Petrovles, ZAO	Lumbering	188670, Leningrad obl., Vsevolozhsky rayon, pos. Romanovka, Garazhny proezd, 11A	Tel. +7 (812) 327-58-64, 327-58-65, 941-08-49, petrovles@peterlink.ru, www.petrovles.ru
Petrovskie DrevoTseha, 000	Woodworking: stairs, sash pulleys, and doorsets. Furniture production. Furniture components and accessories	197110, St. Petersburg, ul. Remeslennaya, 17	Tel./fax +7 (812) 600 73 12, info@drevoceh.ru, www.drevoceh.ru

Name	Activity	Address	Contacts
PlitWood TD (Demin A.V., IP)	Woodworking: plywood, and furniture shields	195257, St. Petersburg, ul. Vavilovyykh, 9/5, kv.39	Tel. +7 (911) 255-82-67, andrevd@mail.ru
PolarSip, 000	Wooden house construction: sandwich-boards SIP	191002, St. Petersburg, ul. Bolshaya Moskovskaya, 8/2	Tel./fax +7 (812) 313-0033, box@polarsip.ru, www.polarsip.ru
Porsa, 000	Wooden house construction: glulam houses	195030, St. Petersburg, ul. Khimikov, 26	Tel. +7 (812) 600-1635, 600-1636, info@skanditek.ru, www.skanditek.ru
Prao, 000	Woodworking: joinery	195067, St. Petersburg, PO Box 2	Tel. +7 (8142) 59-26-73, fax +7 (8142) 59-26-73, pk-astar@sampo.ru
Priozersk Timber Processing Factory Dom, ZAO	Woodworking: glulam. Wood-sawing: saw timber	197110, St. Petersburg, nab. Martynova, 6	Tel./fax +7 (812) 320-63-61, lb@lb.sp.ru, www.plkdom.ru
Priozersky DOZ, OAO	Woodworking: sash pulleys, and doorsets. Wood-sawing: saw timber. Furniture production: stairs	188760, Leningrad obl., Priozersk, ul. Kalinina, 49A	Tel. +7 (81379) 36-207, fax +7 (81379) 35-606, doz@novodom.com, www.novodom.com
Progress-M	Woodworking: wooden boards	195030, St. Petersburg, pr. Khimikov, 26/34	Tel. +7 (812) 329-55-59, makarovaa@progressm.spb.ru, www.pm96.ru
Promstroiles, 000	Wooden house construction. Woodworking: sash pulleys, doorsets, stairs, and glued beams. Wood-sawing: moulded strips. Furniture production	194100, St. Petersburg, ul. Gribalevoy, 12	Tel. +7 (812) 596-39-01, 596-39-13, 596-38-31, house@pslcomp.spb.ru, www.pslcomp.ru
RemMekhService, 000	Woodworking: summerhouses, and decorative wooden pillars	187026, Leningrad obl., Tosnensky rayon, s. Nikolskoye, Otradnoye shosse, 1	Tel. +7 (81361) 55-443, +7 (921) 310-43-33, remmehservis@yandex.ru, www.besedka.nikolskoe.info
Revaldia, 000	Wood-sawing: linings, and facade plank	197342, St. Petersburg, nab. Chernoy Rechki, 41	Tel./fax +7 (812) 702-67-90, revaldia-spb@mail.ru, www.revaldia.ru
Romanovskoye Woodworking Plant, 000	Wooden house construction: glulam houses, houses from round log, and frame-houses. Wood-sawing: saw timber	186670, Leningrad obl., Vsevolozhsky rayon, Vsevolozhsk, pos. Romanovka, ul. Inzhenernaya, 1	Tel. +7 (81370) 60-425, 60-346, mail@romdp.ru, www.romdp.ru
Roschinsky Dom, PSK, 000	Wooden house construction: houses from round log, glulam houses	188820, Leningrad obl., Vyborgsky rayon, pos. Roschino, ul. Krugovaya, 10	Tel. +7 (81378) 6-45-33, 6-43-07, fax +7 (81378) 6-46-87, 3225929@mail.ru, www.r-house.ru
Rostra-LFK, OP FPG, 000	Woodworking: plywood	187050, Leningrad obl., Tosnensky rayon, Lyuban, Seletskoye shosse, 17	Tel. +7 (81361) 71-232, fax +7 (81361) 71-064, ldok@yandex.ru
Rumax, 000	Wooden house construction: houses from round log, and houses from shaped timber	190000, St. Petersburg, nab. Reki Moiki, 90, office 205	Tel. +7 (812) 931-11-41, 315-64-43, fax +7 (812) 571-96-77, rumax7@gmail.com, www.rumax.ru
Rus Brevenchataya, 000	Wooden house construction: wooden houses, bathhouses, and summerhouses. Wood-sawing: saw timber. Woodworking	195027, St. Petersburg, Bolsheokhtinsky pr., 10	Tel. +7 (812) 305-34-89, 698-73-76, +7 (921) 350-85-24, spbrb@mail.ru, www.spbrb.ru
Rus, Construction Company, 000	Wooden house construction. Woodworking glulam, sash pulleys, and doorsets	197342, St. Petersburg, Lanskoye shosse, 23	Tel. +7 (812) 334-16-94, 334-16-19, fax +7 (812) 318-31-72, mail@russhouse.ru, www.russhouse.com
Russky Dom, ZAO	Wooden house construction: log houses	195030, St. Petersburg, shosse Revolutsii, 106	Tel./fax +7 (812) 740-14-20, 740-14-30, rushouse@mail.wplus.net, www.russianloghouse.com
Russky Domostroy, 000	Wooden house construction: glulam houses, frame-houses, and bathhouses	195273, St. Petersburg, ul. Rustaveli, 30, pom. 63	Tel. +7 (812) 972-13-60, fax +7 (812) 298-80-55, rusdom@km.ru, www.rds.spb.ru
Russky Les, 000	Lumbering	187555, Leningrad obl., Tikhvin, ul. Borovaya, 57	Tel. +7 (81367) 52-279, vityal.platovsky@inbox.ru
Russky Master, 000	Wooden house construction: glulam houses	195248, St. Petersburg, Umansky per., 84, office 1	Tel./fax +7 (812) 702-77-37, 974-25-04, vs@vagonochka.ru, www.vagonochka.ru, www.house812.ru
Russky Torgovy Dom, 000	Wood-sawing: moulded strips. Woodworking: interior doors	187340, Leningrad obl., Kirovsk, ul. Pesochnaya, 6	Tel. +7 (81362) 27-179, info@rtdco.ru, www.rtdco.ru
S.K.S., 000	Wood-sawing: saw timber. Woodworking: veneer, and timber	188345, Leningrad obl., Gatchinsky rayon, pos. Semrino, ul. Parkovaya, 1A	Tel. +7 (901) 301-03-92, woodplus04@rambler.ru

Name	Activity	Address	Contacts
Sampo Dom, 000	Wooden house construction: frame-houses	188662, Leningrad obl., Vsevolozhsky rayon, pos. Murino, ul. Lesnaya, 3	Tel. +7 (812) 595-50-55, fax +7 (812) 595-50-66, doma@sampospb.ru, www.sampospb.ru
Scandic Construction, 000	Wooden house construction: pre-fabricated wooden houses	188660, Leningrad obl., Vsevolozhsky rayon, pos. Bugry, ul. Shosseinaya, 43	Tel. +7 (812) 321-68-21, fax +7 (812) 321-68-06, toivo@scandicc.com, www.scan-house.com
Scandinavian Houses, 000	Wooden house construction: pre-fabricated houses, and glulam houses	198095, St. Petersburg, ul. Malaya Mitrofanievskaya, 4, office 311	Tel. +7 (812) 703-70-69, 703-70-96, info@skdom.ru, www.skandidom.ru
Set, ZAO	Woodworking doorsets	196620, Leningrad obl., Pavlovsk, Pavlovskoye shosse, 3	Tel. +7 (812) 466-85-18, fax +7 (812) 465-12-30, sdttdveri@mail.ru
Severny Dom, 000	Wooden house construction: pre-fabricated wooden houses, and houses from round log	193149, St. Petersburg, Oktyabrskaya nab., 112	Tel./fax +7 (812) 600-36-46, 973-82-86, kanadalog@gmail.com, www.loghomeru.com
Severny Dom, 000	Wooden house construction: pre-fabricated houses	194292, St. Petersburg, Promzona Parnas, 5-ij Verkhny per., 15	Tel./fax +7 (812) 323-87-17, dltrich-design@inbox.ru
Sevzapmebel	Furniture production: casegoods furniture	195027, St. Petersburg, ul. Magnitogorskaya, 30	Tel. +7 (812) 326-44-26, fax +7 (812) 227-64-85, office@sevzapmebel.ru, www.sevzapmebel.ru
Shalash North-West, 000	Bioenergy: wooden fuel briquettes, and wooden pellets	187021, Leningrad obl., Tosnensky rayon, der. Fedorovskoye, ul. Shosseinaya, 2Г	Tel. +7 (812) 309-34-14, +7 (911) 148-34-14, info@chalach.ru, www.chalach.ru
SI LTD, 000	Woodworking: furniture shields. Furniture: accessories, and components	197136, St. Petersburg, ul. Vsevoloda Vishnevskogo, 4	Tel. +7 (812) 702-11-50, fax +7 (812) 346-49-49, info@silttd.ru, www.silttd.ru
Sidak-SP, 000	Woodworking: furniture facades	188330, Leningrad obl., Gatchinsky rayon, pos. Siversky, ul. Zavodskaya, 9/2	Tel. +7 (812) 702-55-55, +7 (81371) 45-115, info@sidak.biz, www.sidak.ru
Skandi, 000	Wooden house construction: glulam houses	192007, St. Petersburg, Ligovsky pr., 228A, office 102	Tel. +7 (812) 767-07-61, tel./fax +7 (812) 767-15-97, info@skandi.ru, www.skandi.ru
Skandistroy, 000	Wooden house construction: glulam houses, houses from round log, and frame-houses	195043, St. Petersburg, ul. Bratskaya, 23, office 307	Tel./fax +7 (812) 951-88-48, doma@skandistroy.ru, www.skandistroy.ru
Slavyansky DSK, 000	Wooden house construction: pre-fabricated houses	196608, St. Petersburg, Pushkin, ul. Avtomobilnaya, 35	Tel./fax +7 (812) 332-99-99, fax +7 (812) 777-70-77, sale@baltros.ru, www.slav-dsk.ru
Smurfit Kappa St.Petersburg, ZAO	Pulp-and-paper: goffer packaging	188640, Leningrad obl., Vsevolozhsk, ul. Gogolia, 7	Tel. +7 (812) 329-76-00, fax +7 (812) 329-76-29, sales@smurfitkappa.ru, www.smurfitkappa.ru
Sofid, 000	Wood-sawing: saw timber	187780, Leningrad obl., Podporozhie, pr. Lenina, 5, office 201	Tel. +7 (81365) 25-251, tel./fax +7 (81365) 20-175, sofid_wood@mail.ru
Sosnovsky DOZ, 000	Woodworking: sash pulleys, doorsets, and glulam	188731, Leningrad obl., Priozersky rayon, pos. Sosново, ul. Akademicheskaya, 1	Tel./fax +7 (812) 321-60-21, 295-35-29, info@doz-sosnovo.ru, www.technopark.spb.ru
SoyuzBaltComplect,000	Woodworking: furniture shield, table tops, and furniture facades	195043, St. Petersburg, ul. Kamyshinskaya, 15	Tel. +7 (812) 324-66-99, 326-98-33, office@pgsouz.ru, www.pgsouz.ru
Spektr, Furniture Plant, 000	Furniture production: kitchens	193230, St. Petersburg, ul. Chelieva, 11	Tel. +7 (812) 446-22-51, 446-57-67, info@ic-studio.ru, www.ic-studio.ru
Spektr, 000	Lumbering. Wood-sawing: saw timber	187500, Leningrad obl., Boxitogorsky rayon, der. Berezhok	Tel. +7 (921) 412-21-98, +7 (921) 322-15-23, tihvin2009@mail.ru
SP-Les, ZAO	Wooden house construction: glulam houses. Woodworking: stairs, sash pulleys, and doorsets	198206, St. Petersburg, Petergofskoye shosse, 74/2	Tel./fax +7 (812) 744-70-46, 744-01-54, info@sples.ru, www.sples.ru
St. Petersburg, Cardboard-Printing Facility, OAO	Pulp-and-paper: cardboard	188320, Leningrad obl., Gatchinsky rayon, Kommunar, ul. Pavlovskaya, 9	Tel. +7 (812) 460-22-78, 460-16-96, fax +7 (812) 460-19-43, kpk@knauf.ru, www.knauf.ru
Stavros, 000	Woodworking: decor from solid wood	198095, St. Petersburg, ul. Marshala Govorova, 35, office 305, BC Zheltiy Ugol	Tel. +7 (812) 335-66-82, op@stavros-spb.ru, www.stavros-spb.ru
Stinkom, 000	Wooden house construction	197342, St. Petersburg, ul. Lisichanskaya, 6, BC Inkom	Tel. +7 (812) 916-88-88, tel./fax +7 (812) 334-79-40, info@zagorod.org, www.zagorod.org, www.stin-com.ru

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STOD, 000	Woodworking: glulam	190000, St. Petersburg, Konnogvardeisky bulvar	Tel. +7 (812) 571-61-64, 571-65-81, 571-74-21, info@ultralam.com, www.ultralam.com
Stroim Dom Plus, GK	Wooden house construction: houses from round log, bathhouses, and summerhouses. Wood-sawing: saw timber	187040, Leningrad obl., Tosnensky rayon, pos. Ryabovo, Moskovskoye shosse, 190	Tel. +7 (812) 490-75-77, 952-09-95, stepanov@stroimdomplus.ru, www.stroimdomplus.ru
Stroyimpex, ZAO	Woodworking: sash pulleys	196158, St. Petersburg, Moskovskoye shosse, 13	Tel. +7 (812) 373-22-02, 575-22-02, info@stroyimpex.ru, www.stroyimpex.ru
Stroyindustria, 000	Wooden house construction: houses from round log	191167, St. Petersburg, ul. Telezhnaya, 37	Tel./fax +7 (812) 333-05-89, info@stroindustri.ru, www.stroindustri.ru
StroyKrepost, 000	Wooden house construction: glulam houses	187320, Leningrad obl., Shlisselburg, Starosiniavinskaya dor., 5	Tel. +7 (812) 633-30-61, 921-25-50, ivanovmik76@mail.ru, www.krepostspb.ru
STS-ECO, 000	Wooden house construction: pre-fabricated houses	197229, St. Petersburg, Lakhtinsky pr., 85, Garden City	Tel. +7 (911) 008-17-72, sales@sts-eco.ru, www.sts-eco.ru
SV-Les, 000	Wood-sawing: saw timber, plank, linings, and platbands	188520, Leningrad obl., Lomonosovsky rayon, der. Gostiltsy, Dom Molodiozhi	Tel. +7 (81376)-50-339, 50-247, svles2007@mail.ru, www.sv-les.ru
Swedwood Tikhvin, 000	Lumbering. Wood-sawing: saw timber. Woodworking. Furniture production. Furniture: accessories, and components	187555, Leningrad obl., Tikhvin, Shvedsky proezd, 15	Tel. +7 (81367) 60-600, fax +7 (81367) 60-601, ivan.kruchinin@swedwood.com, www.swedwood.com
Syassky PPM, OAO	Pulp-and-paper: cellulose, and tissue	187420, Leningrad obl., Volkhovский rayon, Syasstroy, ul. Zavodskaya, 1	Tel. +7 (81363) 5-64-44, 56-677, 56-622, fax +7 (81363) 53-080, spb@syas.ru, www.syas.ru
Tajfun, 000	Woodworking: interior doors	192148, St. Petersburg, ul. Sedova, 37	Tel. +7 (812) 331-11-20, 331-11-21, doors@taifun.ru, www.taifun.ru
Terem, 000	Woodworking: glulam	129019, St. Petersburg, ul. Bekhtereva, 3/2, lit. X, office 30	Tel./fax +7 (812) 365-18-18, tel. +7 (911) 141-05-66, +7 (911) 001-73-83, info@woodtradecorp.ru, www.woodtradecorp.ru
Tikhvinsky KLPKh, ZAO	Lumbering	187555, Leningrad obl., Tikhvin, ul. Sotsialisticheskaya, 10	Tel. +7 (81367) 51-337, 5-17-02, 5-21-78, fax +7 (81367) 5-31-49, yelena.andreeva@ipaper.com, www.internationalpaper.com
Timber Yard, 000	Wood-sawing: moulded strips	197374, St. Petersburg, Torfianaya doroga, 7A, office 311	Tel. +7 (812) 926-22-10, tel./fax +7 (812) 336-51-60, sale@get-ground.ru, www.get-ground.ru
TK Dom Gatchina, 000	Wooden house construction: pre-fabricated wooden houses	199034, St. Petersburg, Vasilievsky ostrov, 14 Linia, 7, BC Preobrazhensky, office 6.3.2	Tel. +7 (812) 600-2111, fax +7 (812) 600-2155, tkdom@tkdom.ru, www.tkdom.ru
Tomik, 000	Wooden house construction: houses from round log	188730, Leningrad obl., Priozersky rayon, pos. Sosnovo, ul. Ozernaya, 1	Tel. +7 (812) 911-29-99, 973-81-32, golovanovsergey@mail.ru, www.tomik.org
Transservice, 000	Wood-sawing: saw timber. Wooden house construction: glulam houses, and houses from round log	187413, Leningrad obl., Volkhovский rayon, der. Kisel'naya, ul. Severnaya, 5	Tel. +7 (81363) 48-193, +7 (921) 778-74-87, 1999ts@mail.ru
Tri Stroitel'ya, 000	Wooden house construction: glulam houses	194156, St. Petersburg, Svetlanovsky pr., 2, BC Pragma, office 103	Tel. +7 (812) 985-67-76, info@sdbgp.ru, www.sdbgp.ru
Udachny Sezon, 000	Wooden house construction: glulam houses, frame-houses	194017, St. Petersburg, Udelny pr., 17, office 1	Tel. +7 (812) 924-74-43, 951-75-85, 642-92-05, 9247443@mail.ru, www.d812.ru
UPM-Kymmene, 000	Woodworking. Wood-sawing: saw timber	197022, St. Petersburg, ul. Lva Tolstotogo, 9, MFC Tolstoy Skver	Tel. +7 (812) 336 9717, fax +7 (812) 336-97-19, andrey.vasyukov@upm-kymmene.com, www.upm.com
Ust-Izhorsky Plywood Mill, OAO (a part of Sveza Group of Companies)	Woodworking: plywood, and laminated plywood	196643, St. Petersburg, r.p. Pontonny, ul. Fanernaya, 5	Tel. +7 (812) 462-2089, 462-20-97, uifk.all@sveza.com, Uifk.office@sveza.com, www.sveza.ru
UVI SPb, 000	Pulp-and-paper: processing and utilization of all types of cardboard, offset paper, and newsprint	193315, St. Petersburg, PO Box102	Tel. +7 (812) 335-99-37, 640-44-73, ok@promgroup.spb.ru, www.promgroup.spb.ru
Uyutny Dom, 000	Woodworking: sash pulleys	196247, St. Petersburg, pl. Konstituzii, 2, office 5	Tel. +7 (812) 324-49-16, 324-49-17, u-dom@bk.ru, www.uyt-okna.ru

Name	Activity	Address	Contacts
Veek, 000	Bioenergy: wooden pellets. Wooden house construction. Wood-sawing: saw timber	198035, St. Petersburg, Mezhevoy Kanal, 4A, office 27, 29	Tel. +7 (812) 251 64 66/56, 251-63-55, fax +7 (812) 713-07-36, mail@veek.ru, www.veek.ru
Vertikal SPb, 000	Wooden house construction: pre-fabricated houses	198020, St. Petersburg, ul. Bumazhnaya, 3, office 209	Tel. +7 (812) 946-39-49, 677-05-10, domavertikal@gmail.com, www.f-house.ru
Viking-Les, 000	Wood-sawing: saw timber. Exporting	187320, Leningrad obl., Shlisselburg, ul. Zhuka, 5A	Tel. +7 (81362) 7-69-38, vikingles@mail.ru, www.timberviking.ru
Villozi House, PK, 000	Wooden house construction: pre-fabricated houses	198216, St. Petersburg, pr. Narodnogo Opolcheniya, 22 +7 (cottage 12)	Tel. +7 (812) 921-58-58, 702-73-40, info@villozi.com, www.villozi.com
Volkhov-StroyLes, 000	Woodworking: stairs, sash pulleys, and doorsets. Furniture production: furniture from solid wood. Wooden house construction: log houses	187400, Leningrad obl., Volkhov, ul. Torfianaya, 2A	Tel. +7 (812) 983-31-63, +7 (921) 592-19-80, +7 (921) 420-41-10, sm92@yandex.ru, www.vsles.ru
Volosovsky Lespromkhoz, ZAO	Lumbering	188410, Leningrad obl., Volosovo, ul. Krustitskogo, 78	Tel. +7 (81373) 233-81
Volosovsky LPK, 000	Wood-sawing: saw timber, and wooden chips	188410, Leningrad obl., Volosovo, ul. Veteranov, 625	Tel. 7 (812) 973-64-23, fax +7 (81373) 22-807, info@inok.spb.ru, www.inok.spb.ru
Vyborg Cellulose, OAO	Pulp-and-paper: paper, and cardboard. Bioenergy: pellets	188918, Leningrad obl., Vyborgsky rayon, pos. Sovetsky, ul. Zavodskaya, 2	Tel. +7 (81378) 71-848, 73-400, fax +7 (81378) 7-46-46, email@vybcell.ru, www.vybcell.ru
Vyritsa LPK, 000	Wooden house construction. Woodworking furniture shield, and glulam. Wood-sawing: saw timber, and moulded strips	188380, Leningrad obl., Gatchinsky rayon, pos. Vyritsa, ul. Ushakovskaya, 5	Tel. +7 (81371) 50-454, +7 (812) 740-79-66, vlpk@1m.ru, www.vlpk.1m.ru
Winner, ZAO	Lumbering. Wood-sawing: saw timber	188800, Leningrad obl., Vyborg, ul. Rostovskaya, 5	Tel. +7 (81378) 2-00-36, winner_vyborg@mail.ru
Wood Tekhnology, 000	Woodworking: glulam. Wood-sawing: moulded strips	197110, St. Petersburg, Martynova, 92, Morskoy Yakht-Klub	Tel. +7 (812) 647 07 03, woodtechspb@yandex.ru, www.sintezspb.ru
Woodkraft, 000	Wood-sawing: moulded strips. Woodworking: glulam. Wooden house construction: glulam houses	194355, St. Petersburg, ul. Zheni Yegorovoy, 4/3, kv. 212	Tel. +7 (812) 454-18-19, fax +7 (812) 622-23-71, info@welldom.ru, www.welldom.ru
Yug Company, 000	Woodworking: stairs from solid wood. Furniture production: furniture from solid wood	198096, St. Petersburg, ul. Kronshtadtskaya, 5	Tel. +7 (812) 570-80-70, 642-92-66, 5708070@mail.ru
Znak Kachestva, 000	Woodworking: sash pulleys	191186, St. Petersburg, pr. Nevsky, 22/24, lit. A, pom. 24	Tel. +7 (812) 449–8710, 4498710@mail.ru, www.oknaiq.ru



The Tver Oblast: between two capitals

The Tver Oblast is a part of the Central Federal District.

The oblast is 84,200 km², making it the largest oblast (administrative division) in the Central Federal District, and one of the largest in European Russia. It extends for 260 km from north to south, and 450 km from west to east, with a population of 1.3 million people.

The administrative center is the city of Tver with a population of 407,000 people. Other towns in the oblast with a population of over 40,000 include Vyshny Volochyok, Kimry, Rzhev and Torzhok.

GEOGRAPHY

The relief of the oblast's terrain is primarily plain with depressions and elevations. The highest point is 346.9 m above sea level, and the lowest is 61 m.

There are more than 800 rivers in the oblast with a total length of 17,000 km. The largest of them is the Volga on which the main bodies of water, the Verkhnevolzhskoye, Ivankovskoye, Uglichskeye and Rybinskoye, are situated. Other important rivers include the Zapadnaya Dvina, Tvertsa, Medveditsa, Mologa and Mezha. The water divide of the basins of the Baltic and Caspian Seas passes through the territory of the Tver Oblast. Drinking water sources are formed in the Tver Oblast for states neighboring the Russian Federation including Belarus, Ukraine and the Baltic states, and it provides three-quarters of Moscow's water supply.

There are 1,769 lakes in the region with an area of more than one hectare, including Lake Seliger, which measures 259.7 km². Lakes are primarily concentrated in the west and northwest of the oblast. The deepest are Lake Brosno (41.5 m) and Lake Dolosets (41 m). In total, lakes make up 1.4% of the oblast's area, with swampland covering 7%.

Soils in the Tver Oblast are primarily sandy loam, podzol sod, and in the Kalininsky region, peat bog.

The Tver Oblast has been declared the most ecologically sound region in the Central Federal District.

CLIMATE

The oblast has a moderate continental climate. The average temperature is -10°C in January, and +17.4°C in July. The duration of the vegetation period is between 120 to 133 days. The first autumn frosts may begin in late September, and the last spring frosts are usually in the second half of May.

The predominant winds are southwesterly: strong winds (over 15 m/s) are rare, and the average annual wind speed is 4.5 m/s. Relative humidity is high throughout the year, and the average level is 70-80%.

Index of industrial production by enterprises in the Forestry Industry Complex of the Tver Oblast in 2006–2011 (in % compared to previous year)

Type of economic activity	2006	2007	2008	2009	2010	2011
Timber harvesting	90.3	123.7	74.9	89.4	108.9	108.4
Timber processing and manufacturing wood items	100.6	113.2	91.9	61.5	122.5	113.3

Thunderstorms are characteristic for June and July, and fog is typical in late summer and early autumn.

Precipitation for the oblast varies from 560 to 720 mm per year, with maximum volumes occurring during summer.

Snow falls from November to March, with early snowfalls possible in September, and late snowfalls possible in late May and even early June. A steady snow cover usually settles in the last ten days of December, sometimes in December-January. Snow cover lasts between 140 to 150 days.

NATURAL RESOURCES

The Tver Oblast is not classified as a region with rich mineral resources, although it is abundant in peat with the largest supplies of peat in Central Russia. The total volume of peat has been assessed at 1,579,242,000 m³ (980 deposits, of which five are currently being developed).

The annual volume of peat production is over 36,000 m³. Sapropel supplies of a volume of 759 million tons are concentrated in 738 lake deposits of a total area of 289,000 hectares. At present, only one deposit, Zharki, is being developed, with sapropel supplies of 498,000 m³.

TRANSPORT

The total length of vehicular roads in the oblast is around 16,000 km. Two federal highways pass through the region: the M10 "Rossiya" highway (Moscow – St. Petersburg) and the M9 "Baltiya" highway (Moscow – Latvia).

The length of the railway lines passing through the Tver Oblast is 1,800 km. The main Moscow – St. Petersburg railroad (the most important route on the "October Railway") crosses the territory of the region from the northwest to the southeast, and is the most actively used line. Major railroad hubs in the oblast are located at Bologoye, Rzhev and Sonkovo.

The length of internal navigable waterways in the Tver Oblast is 384 km. They are located on the Volga (the river is navigable from Rzhev) and its tributaries, and also on the lakes of Seliger, Mstino and Peno. The navigation period lasts between 200 to 210 days. The major water transport hub is the Tver river port, located on the right bank of the Volga, on the spit of the Tvertsa River. Multi-deck passenger ships and cargo ships, including "river/sea" class ships, can dock at this port.

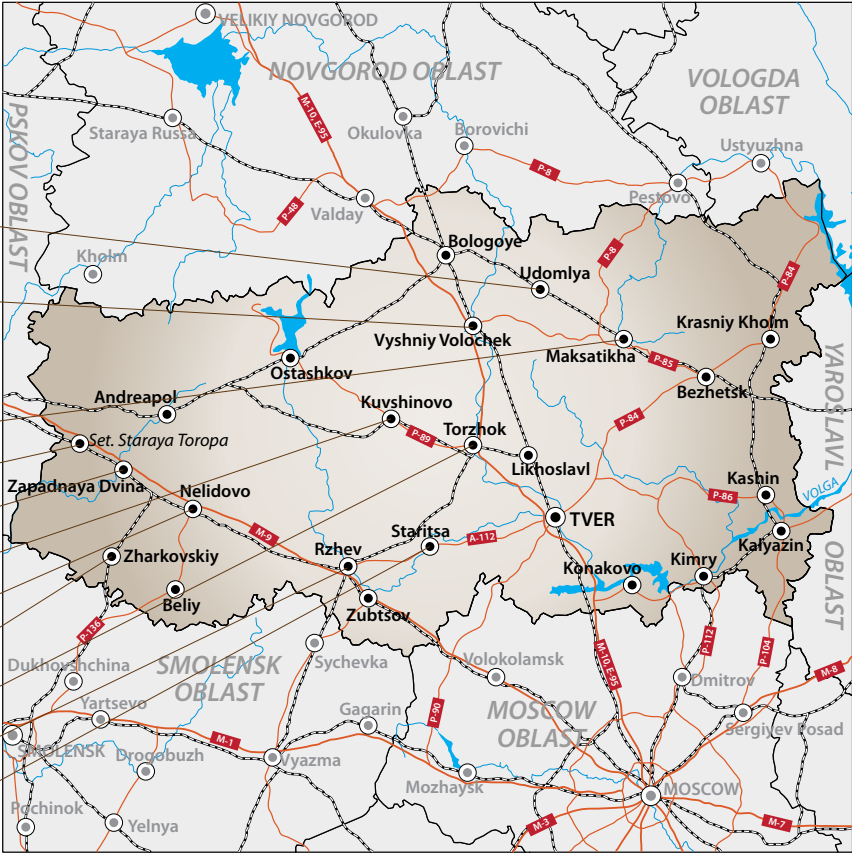
Migalovo Airport, located in Tver, handles both military and civil aviation. Not far from the center of the oblast is the Zmeyerovo heliport, where civilian helicopters can land and take off 24 hours a day.

ECONOMY

Industry accounts for approximately a third of the gross regional product of the Tver Oblast. More than 70% of all production comes from processing plants covering a wide spectrum of products. Developing industries include railway carriage manufacture, food production and light industry, energy, printing, the manufacture of digging machines, fire-fighting equipment, tower cranes, peat and agricultural machines, and the

Large-scale forestry enterprises of the Tver Oblast

- Russkiy Les, OOO
- Vyshnevolotsky LPH, ZAO
- Vyshnevolotsky MDOK, OAO
- Agroservice, OOO
- Interforest, OOO
- Maxatikhinsky Lesopromishlenniy Kombinat, PK
- Siyanie LPH, OOO
- Berjozka, OAO
- Kamenskaya BKF, OAO
- Nelidovsky DOK, OAO
- Zharkovsky DOK, OOO
- Talion Terra, Factory
- Lesozavod PO, ZAO
- Bioles, OOO





A workshop of glued beam production in Vyshnevolotsky LPH

Products made by enterprises in the Forestry Industry Complex of the Tver Oblast in 2009–2011

Main types of production	2009	% compared to 2008	2010	% compared to 2009	2011	% compared to 2010
Sawn wood materials, thou. m³	243.8	58.5	229.4	94.1	171.7	69.3
Plywood, thou. m³	59.5	64.3	84.9	142.7	131.2	154.5
Chipboard, thou. m³	123,1	75.8	144.6	117.5	148.5	102.7
Fiberboard, million con. m²	13.3	58.9	5.2	39.0	4.6	88.5
Door blocks, thou. m²	139.5	47.3	276.0	197.8	345.3	125.1
Window blocks, thou. m²	45.4	61.1	28.9	63.7	32.2	111.4
Pellets, thou. t	50.9	118.0	67.1	131.8	55.0	82.0
LVL beams, thou. m³	–	–	29.0	–	58.1	200.3

manufacture of building materials. There are 3,640 enterprises operating in the oblast, of which around 400 are large and medium-sized. The region accounts for 61% of the nationwide manufacture of passenger railway carriages, 42% of digging machines, and 11.8% of compressors. The Kalininsky Atomic Power Station and the Konakovsky Regional Power Station deliver 80% of the electricity they produce to areas outside the oblast.

The Tver Oblast has a high potential for the development of agriculture. In the Central Federal District, the oblast is the fifth largest by area of farmland (2,085,000 hectares, of which 1,328,000 hectares are in tillage). The agro-industrial complex includes around 1,000 agricultural enterprises with different forms of ownership. Two thirds of the total volume of agricultural production is animal production (milk, meat, poultry, eggs), and a third is crop production (flax, potatoes, vegetables, grain).

INVESTMENT

As its government points out, the Tver Oblast is considered to be one of the most attractive for inward investment in Russia. Its main

competitive advantages include its geographic location, the human and industrial potential, a developed transport infra-structure (bisecting routes between Moscow and St. Petersburg, and Moscow and the Baltic States), a powerful energy base, natural resources and a favorable investment climate. According to a World Bank study, “Doing Business in Russia in 2009,” entrepreneurial activity was considered easier to conduct in Tver than in Moscow, St. Petersburg and Rostov-on-Don.

At present, the general list of investment projects announced in various economic areas includes 90 projects with a total investment value of more than 140 billion rubles. These include around 50 major investment projects with investment value of more than 500 million rubles each.

FOREST RESERVES

The Tver Oblast is one of the most heavily forested regions in Central Russia, second only to the Kostroma Oblast in percentage of forest cover (55%) in the Central Federal District.

Forest reserves cover 4,875,600 hectares, of which 4,434,700 hectares is forested and 345,100 hectares is non-forested. Of forested land, 1,959,500 hectares (40.2%) is protected forest and

2,916,100 hectares (59.8%) is commercial forest.

The territory of lands covered with forest increased by 6,500 hectares in 2011. The total supply is assessed at 753,900,000 m³. Average growth is 14,8200 m³ per year.

The calculated felling rate in the Tver Oblast is 8,452,500 m³, of which coniferous felling accounts for 3,233,000 m³.

In 2011, wood production totalled 3,048,400 m³, 36% of the calculated felling rate, of which coniferous felling accounted for 1,881,100 m³, 58% of the calculated felling rate for coniferous trees. This includes felling of mature and over-mature trees (1,860,900 m³), improvement felling (46,500 m³), sanitary felling (918,500 m³), and other felling (220,500 m³).

In 2012, the forest restoration plan in the Tver Oblast earmarked 11,650 hectares, of which 7,000 hectares was for artificial forest restoration accounted, and 4,650 hectares for natural forest restoration. In spring 2012, 6,574 hectares of forestry crops were planted. On the remaining 426 hectares fall planting is carried out.

The demand for planting material for forest farms producing forestry crops and their supplementation is fully satisfied by nurseries in the Tver Oblast.

FOREST INDUSTRY COMPLEX

The Forestry Industry Complex of the Tver Oblast is widely diversified, and represents almost all sectors – from timber harvesting to the manufacture of plywood, paper and furniture. One of the largest such complexes in the Central Federal District, around 1,000 forestry enterprises in various fields operate in the oblast.

In 2011, production by forestry enterprises in the Tver Oblast was valued at 5.6 billion rubles. In 2012, an increase in production of the high-level timber products including chipboard and glued wood, sawn wood products, windows and door blocks, is planned.

According to data from the Tver Oblast government, the Forestry Industry Complex showed stable growth in 2010-2011. The production index in processing timber and the manufacture of items made of wood achieved a pre-crisis level of 113.3% in 2011. Production volumes increased in almost all the main types of production. In 2012, the industrial production index in the Forestry Industry Complex is predicted to reach a level of 108-110%. Growth is expected to slow in coming years, with industrial production indexes probably decreasing to 102.5-105% in 2013, and likewise to 102.9–105% in 2014. Growth in forestry industry production will be ensured by the development of existing facilities at woodworking enterprises in the oblast, and be putting new plants into operation.

At present, three forest development projects of note are receiving investment in the Tver Oblast. These are: Vyshnevolotsky Lespromkhoz for modern glued structures, with an investment value of 345 million rubles following Ministry of Industry and Trade decree 31.03.2010 № 255; the Siaynie forestry holding for the felling and processing of timber with an investment value of 360 million rubles following Ministry of Industry and Trade decree 22.07.2011 № 987; and STOD, with an investment value of more than 7 billion rubles (included in a priority list by decree of the Ministry of Industry and Trade of the Russian Federation, 13.10.2009 № 928).

In addition to the priority investment project, STOD plans to build a factory for the manufacture of OSB with a capacity of 500,000 m³ a year, and a house-building factory where individual residential houses based on modular technology will be produced in factory conditions using OSB boards and LVL beams of its own manufacture. The additional investment value for developing the factory will total around 13 billion rubles.

It should be noted that the pellet market is also growing in the Tver Oblast. Production of



fuel pellets has been developed by the Talion-Terra factory(owned by STOD), Bioles, Agroservis and other smaller factories. Sales have so far been made to foreign buyers because of a lack of sufficient volume of local usage. In recent years, nevertheless, work has been carried out in municipal districts, particularly in those lacking gas connections, to convert boiler equipment to ecologically sound pellets manufactured

by enterprises in the region. Around 15 boiler stations of this kind have already been put into operation.

The Russkie Lesnie Pellty holding has announced its intention to build four factories in the Tver Oblast for manufacturing pellets, each with a capacity of up to 70,000 tons per year.

Yevgenia CHABAK

Tver Oblast government authorities responsible for timber industry regulation:

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Ministry of Forestry of the Tver Oblast

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Ministry of Natural Recourses and Environment of the Tver Oblast

Minister Protasov Nikolay Pavlovich
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Tel. +7 (4822) 62-02-62, fax +7 (4822) 62-01-19
dep_upr@web.region.tver.ru
www.mprtver.ru

Enterprises of the forestry industry of the Tver oblast

Name	Activity	Address	Contacts
Agroservice, OOO	Bioenergy: wooden pellets	171900, Tver obl., pgt Maxatikha, per. Bezhezkij, 4	Tel.: +7 (482-53) 2-22-68, 2-11-01, totek-ofis@yandex.ru, www.pellet-m.ru
Alam, OOO	Wooden house construction: frame wooden houses, and houses from round log; bathhouses	170042, Tver, b-r Shmidta, 4A/22, office 42	Tel.: +7 (4822) 55-74-07, (903) 694-48-95 mail@alam.ru, www.alam.ru, www.obrevno.ru
Belskie Dveri, OOO	Woodworking: doors	172530, Tver obl., g. Bely, ul. Stroiteley, 10	Tel.: +7 (482-50) 2-25-49, +7 (905) 609-06-33, beldveri@mail.ru, www.beldveri.ru
Berjozka, OAO	Lumbering. Wood-sawing: saw timber. Woodworking: joinery	109472, Tver obl., g. Zapadnaya Dvina, ul. Komsomolskaya, 11	Tel.: +7 (482-65) 2-24-82, 2-42-42, olhovka999@mail.ru
Bioles, OOO	Bioenergy: wooden pellets	171393, Tver obl., Staritsky rayon, d. Lukovnikovo, ul. Naberezhnaya, 14	Tel. +7 (482-63) 3-12-19, bioles001@yandex.ru
Centr Torgovogo Oborudovaniya, OOO	Furniture production: commercial furniture	170024, Tver, pr. 50 Let Oktyabrya, 3/5, office 204	Tel.: +7 (482-23) 9-42-61, 9-42-78, 9-46-87, 9-47-18, cto@an-net.ru, www.ctot.ru

Name	Activity	Address	Contacts
Derevyannije Doma, OOO	Wooden house construction: frameworks of houses, bathhouses	190037, Tver, ul. Vtoraya Lukina, 7A, terr. Bazi “Metallist”	Tel.: +7 (482-25) 7-73-50, +7 (915) 727-65-13, a-19756@yandex.ru, www.tverdom.ru
DomiK, OOO	Wooden house construction: houses from glulam and round log. Woodworking: glulam, round log	170017, Tver, ul. Konyaevskaya, 7	Tel.: +7 (482-24) 1-81-31, +7 (495) 728-66-85, smeta@wooddom.com, www.wooddom.com
Drevdom, SK, OOO	Wooden house construction: frameworks of houses, bathhouses	170000, Tver, ul. Svetlaya, 42	Tel.: +7 (482-25) 7-56-55, (910) 647-13-99 vek.1999@yandex.ru, www.tverdom.com
Ecoles, OOO	Wood-sawing: saw timber. Bioenergy: wooden pellets	172200, Tver obl., pgt Selizharovo, ul. Pushkina, 56	Tel.: +7 (482-69) 2-54-62, 2-54-52, ekolesselij@yandex.ru
EdemDOM, OOO	Woodworking: glulam. Wooden house construction: glulam houses	170028, Tver, nab. r. Lazuri, 15, lit. A	Tel. +7 (482-27) 5-03-07, edemdom.tver@mail.ru, www.edemdom.ru
Ekzot, OOO	Wood-sawing: saw timber	172400, Tver obl., Oleninsky rayon, p. Olenino, ul. Kuzmina, 93	Tel./fax +7 (482-58) 2-21-85
Eris Manufaktura, ZAO	Woodworking: doors	125565, Tver obl., Konakovsky rayon, pgt Redkino, ul. Promishlennaya, 8	Tel.: +7 (482-42) 59-003, 59-413, manufactver@mail.ru, www.aries.ru
Expoles, OOO	Wood-sawing: moulded strips. Woodworking: stairs. Production of furniture from thermo-wood	172730, Tver obl., Ostashkov, Penovskoye shosse, 5A	Tel.: +7 (48235) 5-44-08, (930)-179-47-95, expo-lestermo@yandex.ru www.expolestermo.ru
Forex, OOO	Woodworking: plywood	171900, Tver obl., Maxatikhinsky rayon, der. Fabrika	Tel. +7 (482-53) 5-15-76, foreks2@yandex.ru
Forest, OOO	Woodworking: interior doors	171161, Tver obl., Vishniy Volochek, Moskovskoye shosse, 100	Tel.: +7 (482-33) 6-21-02, 6-15-41, doors300@mail.ru, www.forestvv.ru
Garant, OOO	Woodworking: doors	172527, Tver obl., g. Nelidovo, ul. Chajkovskogo, 11	Tel.: +7 (482-66) 5-29-61, 5-77-87, garant_doors@mail.ru, www.dverygarant.ru
InFrame, OOO	Woodworking: wooden ornamental units	171162, Tver obl., Vyshniy Volochek, ul. Krasny Gorodok, 270	Tel.: +7 (482-33) 5-21-43, 5-12-52, inframev@gmail.com, www.volbaget.ru
Inter-Design 2000, OOO	Furniture production: casegoods, office, and kids furniture; wardrobes	170039, Tver, ul. Pashi Savelyevoy, 55	Tel./fax: +7 (482-25) 5-33-98, 6-51-92, mail@id2000.ru, www.id2000.ru
Inter-Drev, OOO	Woodworking: glulam, furniture shield, scantlings. Wood-sawing: planed products, saw timber. Furniture production: solid wood furniture	170001, Tver, Serebryakovskaya pristan, 13	Tel.: +7 (482-24) 4-57-46, 4-99-64, inter-drev@list.ru, www.inter-drev.com
Interforest, OOO	Wood-sawing: moulded strips. Woodworking: fiberboard, solid parquet	171900, Tver obl., Maxatikhinsky rayon, p. Maxatikha, ul. Sovetskaya, 64	Tel./fax: +7 (482-53) 2-25-42, 2-21-90, 2-13-91, interforest@interles.com, www.interles.com
Kamenskaya BKF, OAO (a part of SFT Group)	Pulp-and-paper: paper, cardboard, corrugated package, wrapping	172110, Tver obl., g. Kuvshinovo, ul. Oktyabrskaya, 5	Tel. +7 (482-57) 4-52-46, fax +7 (482-57) 4-44-56, kbkf@kbkf.ru, www.kbkf.ru
Kanaev, A.V., IP	Woodworking: stairs	170021, Tver, ul. Bolshaya Tverskaya, 33	Tel. +7 (910) 931-05-74, www.kanaevtver.ru
Koniok, OOO	Wooden house construction: houses from round log	170040, Tver, ul. Borikhino Pole, 2	Tel.: +7 (495) 796-70-17, 972-24-60, +7 (909) 156-97-71, mail@koniok.ru, www.koniok.ru
Krasny Holm - Mebel (Yakovlev A.E., IP)	Furniture production: solid wood chairs, suburban sets	171660, Tver obl., Krasnoholmsky rayon, g. Krasny Holm, ul. Lva Tolstogo, 36/7, office 1	Tel.: +7 (482-37) 2-22-98, +7 (916) 609-67-61, +7 (909) 271-16-88, kh-mebel@bk.ru, www.kh-mebel.ru
Kvadi, OOO	Furniture production: chairs, and tables	170017, Tver, ul. Konyaevskaya, 21	Tel.: +7 (482-23) 3-28-64, +7 (903) 805-01-01, +7 (901) 988-01-01, tverset@mail.ru, www.kvadi.ru
Lesokombinat, OOO	Lumbering. Wood-sawing: saw timber	171894, Tver obl., Lesnoy rayon, s. Sorogogzhskoye, ul. Sovetskaya, 23	Tel. +7 (482-71) 7-42-23, 100lesov@inbox.ru
Lesozavod PO, ZAO	Woodworking: interior doors. Wooden house construction: frame wooden houses. Wood-sawing: moulded strips.	172382, Tver obl., Rzhev, ul. Tsentralnaya, 1A	Tel.: +7 (482-32) 6-30-27, 6-32-05, polesozavod@mail.ru, www.lesozavod.su
Masterovoy, OOO	Wooden house construction: houses from shaped timber	170026, Tver, ul. Musorgskogo, 12, office 314	Tel.: +7 (495) 765-80-21, +7 (903) 631-31-84, info@ms-dom.ru, www.ms-dom.ru
Maxatikhinsky Lesopromishlenniy Kombinat, PK	Lumbering. Wood-sawing: saw timber	171900, Tver obl., pos. Maxatikha, ul. Imeni Novogo, 71	Tel.: +7 (482-53) 2-26-27, 2-15-20, 2-15-95, info@mlpk.ru, www.mlpk.ru
Mebel OK, OOO	Furniture production: soft, and casegoods furniture	170028, Tver, ul. Vtoraya Lukina, 9	Tel.: +7 (482-2) 32-50-92, 76-11-34, mebelok@yandex.ru, www.mebel-ok.com
Miarmles, OOO	Wood-sawing: moulded strips	172735, Tver obl., g. Ostashkov, Penovskoye shosse. 3, PO Box 20	Tel./fax: +7 (482-35) 5-58-80, 5-18-91, buh_odk@mail.ru

Name	Activity	Address	Contacts
Nelidovsky DOK, OAO	Woodworking: plywood and fiberboard	172523, Tver obl., g. Nelidovo, ul. Zavodskaya, 7	Tel./fax: +7 (482-66) 5-55-36, 5-11-05, neldok@rambler.ru, www.neldok.ru
Partner, OOO	Lumbering. Wood-sawing: saw timber	172200, Tver obl., pos. Selizharovo, ul. Selskaya, 8	Tel. +7 (482-69) 2-55-87, lesinvest2002@mail.ru
PMK-Stroy, OOO	Woodworking: stairs	170007, Tver, Bezhetskoye shosse, 130	Tel. +7 (4822) 47-65-85 spv@lestv.ru, www.lestv.ru
Polilesprom, OOO	Lumbering. Wood-sawing: moulded strips. Woodworking: sash pulleys and doorsets. Wooden house construction. Furniture production: decorative furniture	171720, Tver obl., g. Vesjegonsk, ul. Zhigareva, 49	Tel. +7 (960) 705-54-42, poliles@rambler.ru
Progress VPP, OAO	Furniture production: casegoods furniture	171162, Tver obl., Vyshniy Volochek, Rzhevsky trakt, 24	Tel.: +7 (482-33) 6-28-42, 6-37-09, 6-14-59, shchukina.n@yandex.ru, www.vpp-progress.ru
Rom-ka, SK (Ivanov R.V., IP)	Wooden house construction: houses from shaped timber and round log	170005, Tver, ul. Z.Konnoplyannikovoj, 9/34	Tel.: +7 (915) 700-65-60, 50-17-44, don.doma@yandex.ru, www.dom-srub69.ru
Russkije Derevyannije Doma, GK	Wooden house construction: houses from shaped timber, and round log; bathhouses	170040, Tver, Staritskoye shosse, 17, str. 4	Tel. +7 (495) 662-49-25, info@rusdrevdom.ru, www.rusdrevdom.ru
Russkiy Les, OOO	Woodworking: plywood. Wood-sawing: moulded strips	171843, Tver obl., g. Udomlya, per. Shkolniy, 9	Tel./fax: +7 (482-55) 5-34-29, 5-76-73, russkyles@gmail.com, www.russky-les.ru
Siyanie LPH, OOO	Lumbering	172630, Tver obl., Zapadnodvinsky rayon, pos. Staraya Tropa, ul. Komsomolskaya, 2A	Tel.: +7 (482-65) 3-16-18, 3-11-42, lph@siyanie.ru, www.lph-siyanie.ru
Sovremenniy Dom, OOO	Wooden house construction: frame wooden houses, timber houses	170003, Tver, Artilleriyskiy per., 3, office 30	Tel. +7 (482-25) 5-52-36, info@sov-dom.ru, www.sov-dom.ru
Stari Master, (Radostin R.B., IP)	Furniture production: furniture from solid wood, and casegoods furniture. Woodworking: stairs	170504, Tver obl., Kalininskiy rayon, s. Kablukovo, Kablukovskogo s/p, ul.Shkolnaya	Tel.: +7 (915) 748-55-66, +7 (904) 006-10-96, +7 (920) 181-30-65 sa@starimaster.ru, www.starimaster.ru
Strojservis, OOO	Woodworking: windows	172332, Tver obl., Zubtsovsky r-n, d. Zuevo, ul. Veteranov, 15	Tel. +7 (48262) 3-63-30, zuevookno@yandex.ru, www.zuevookno.ru
Suzdaltseva Y.S., IP	Furniture production: casegoods furniture	170000, Tver, ul. Chetvertaya Volokolamskaya, 28	Tel. +7 (903) 631-27-28, info@attzo.ru, www.attzo.ru
Talion Terra, affiliate of STOD, OOO	Woodworking: LVL. Bioenergy: wooden pellets	172011, Tver obl., g. Torzhok, ul. Staritskaya, 96A	Tel. +7 (482-51) 2-77-05, Fax +7 (482-51) 2-77-07, mltnfo@mltlvl.ru, www.ultralam.com, www.taleon-trading.ru
Tema-2, OOO	Furniture production: casegoods furniture	170040, Tver, Staritskoye shosse, 17, str. 2	Tel. +7 (482-25) 7-22-06, fax +7 (482-24) 4-57-27, mail@dsp-tver.ru, www.dsp-tver.ru
Terem VK Tver, OOO	Wood-sawing: saw timber, moulded strips. Wooden house construction: houses from shaped timber, and round log	170007, Tver, ul. Shishkova, 97	Tel. +7 (482-25) 7-57-05, Fax +7 (482-25) 0-11-14, teremvk@mail.ru, www.teremvk.ru
Triton M, OOO	Pulp-and-paper: tissue	170028, Tver, Promishlenny proezd, 4	Tel.: +7 (482-24) 3-02-22, 3-03-33, ale-belov@mail.ru, www.tritonm.ru
TSL-Arsenal, OOO	Lumbering. Wood-sawing: saw timber, moulded strips	170007, Tver obl., Kalininsky rayon, der. Zmeevo	Tel.: +7 (903) 801-52-25, 694-32-55, 802-61-84, lesstroy07@mail.ru, www.brusles.ru
TverLetSnab, OOO	Woodworking: joinery	170001, Tver, ul. Uchitelskaya, 54	Tel. +7 (4822) 57-55-79 mail@tverlitsnab.ru, www.tverlitsnab.ru
Tverskoy Derevyanniy Dom, OOO	Wooden house construction: houses from shaped timber, and round log	170001, Tver, ul. Khromova, 84, office 12	Tel.: +7 (482-24) 7-65-15, (980) 639-50-00, info@tverdoma.ru, www.tverdoma.ru
Tvest Domostroenie, OOO	Wooden house construction: frame wooden houses, and houses from round log; bathhouses	170000, Tver, bulvar Radischeva, 48	Tel.: +7 (482-27) 1-02-71, 1-02-81, Fax +7 (482-27) 1-06-02, info@tvest-tv.com, www.tvest-tv.com
Volna, OOO	Furniture production: soft furniture	171161, Tver obl., g. Vyshniy Volochek, Rzhevsky trakt, 24	Tel.: +7 (482-33) 6-39-40, (910) 932-96-85, volnamebelvv@mail.ru, www.volnamebeli.ru
Vyshnevolotsky LPH, ZAO	Lumbering. Wood-sawing: saw timber. Wooden house construction: glulam houses	171157, Tver obl., g. Vyshniy Volochek, ul. Krasnoarmeyeskaya, 30	Tel.: +7 (482-33) 6-30-83, 6-33-42, Fax +7 (482-33) 6-25-60, vvles@rambler.ru, www.vvlesprom.com
Vyshnevolotsky MDOK, OAO	Woodworking: laminated chipboard	171155, Tver obl., g. Vyshniy Volochek, ul. Lesozavodskaya, 3	Tel.: +7 (482-33) 2-26-32, 2-22-00, 221-32, klen@vvol.tver.ru, www.mdok.ru
Zharkovsky DOK, OOO	Woodworking: plywood	172460, Tver obl., Zharkovsky rayon, p. Zharkovsky, ul. Zavodskaya, 6	Tel.: +7 (482-73) 2-14-47, 2-14-01, dolidovichss@felix.ru, www.lesprom.tver.ru

From the wild Kuban steppe to the Caucasus Ridge

The Krasnodar Krai, one of nine such administrative divisions of the Russian Federation, may see the brisk growth in various economic sectors in the near future. The trigger is the 2014 Winter Olympics, to be held in Sochi, and huge funds are now flowing into the local infra-structure.

Large-scale forestry enterprises of the Krasnodar Krai

Russky Les, OOO
Yug-Mebel, OOO
AR Carton, ZAO
Packaging Kuban, ZAO
Kuban's Plant of Wall Materials, OOO
Darvut, OOO
Demidov A.I., IP
Angazhement Fabrika, OOO
Krasnodar Fabric of Cardboard Products, OOO
Orizon, OOO
Piramida, MF, OOO
Tissue-Bumaga, OOO, SP
Goryacheklyuchevskaya Furniture Plant, OAO
Armavir Furniture Plant, OOO
Apsheeronsk, PDK, ZAO
Rassvet, ZAO
Psebaylesprom, ZAO



The Krasnodar Krai, which stretches over the south-western part of the North Caucasus, belongs to the Southern Federal District and North Caucasus economic region.

Its borders run a total length of 1,540 km, comprising 800 km of land borders and 740 km of sea borders.

The krai covers an area of 7,485,000 km². Although medium in size, the region is the third most populated in the country, after the city of Moscow and the Moscow region, with a population density of about 70 people per square kilometre.

Of roughly 5.3 million people living in the krai, the urban/rural split is 53% to 47%. Its administrative centre is the city of Krasnodar (pop: 744,000) located 1,350 km south of Moscow. The largest cities include Sochi (pop: 343,000), Novorossiysk (pop: 241,000) and Armavir (pop: 188,000). In general, the region has 40 urban settlements with populations exceeding 20,000 people.

In Russia, the Krasnodar Krai is also known as Kuban after the biggest river in the region.

NATURE

The Kuban river cuts the krai into two parts: the northern plain and the southern mountainous district. The latter is formed by the mountain chains of the Western Caucasus and the narrow band of the Black Sea coast. The plain makes up two-thirds of the region and is more developed than the mountainous area. The highest peak is Tsakhvoa (3,345 m).

The full-flowing Kuban River rises in the glaciers of the south-western slope of Mount Elbrus and is fed by many tributaries. In total, there are more than 500 rivers in the Krasnodar Krai. Their flows are controlled by the Krukovskoye, Varnavinskoye and Krasnodarskoye reservoirs (the latter is the biggest reservoir in southern Russia). Abrau, the largest lake in the North Caucasus, is located nearby.

More than half the land in the Krasnodar Krai (3.9 million hectares) is classified as highly productive arable land. Chernozem (black soil) areas total 4,805,000 hectares, or 4% of Russia's total chernozem fields and about 2% of the world's black soil areas.

CLIMATE

The Krasnodar Krai is located on the 45th parallel, and solar activity is higher compared with other regions in Russia (for example, one-and-a-half times than in the Moscow region). In most of the krai, the climate is temperate-continental, while the Black Sea coast enjoys a humid subtropical climate. However, the region features variable and unstable weather conditions which may differ in different districts at the same time. The reason

lies in the region's location at the intersection of plains and mountains as well as between the eastern and north-eastern atmospheric fronts to which Prikubanskaya sloping plain is exposed. Annual precipitation varies between 350 mm on the Taman peninsula to 2,500 mm on the south-western slopes of the Caucasus Ridge.

Spring in the region comes early; temperature may reach +30 °C in May. The first half of the summer is replete with rain, wind and thunderstorms. July brings drought (the average temperature in late summer is +21 °C), which may last until the end of October. The autumn is long, dry and warm.

In mountainous areas snow falls as early as October or November. The average temperature in January on the plain is -4 °C, while high in the mountains it can be as low as -30 °C.

The winter is perhaps the most unpredictable season in the krai. The weather can change drastically several times a day. Western winds bring heavy rains and thunderstorms in the wintertime in the central part of Kuban.

SUBSOILS

The Krasnodar Krai is the oldest oil-producing region in Russia: oil has been extracted since 1865. More than 150 oil and gas fields have been explored near Apsheeronsk, Abinsk, and Slavyansk.

In total, more than 60 minerals have been discovered in the Krasnodar Krai, mainly in the foothills and mountains. In particular, there are registered deposits of marlstone, mineral waters, marble, limestone, sandstone, gravel, quartz sand, iron-apatite ores and rocksalt.

TRANSPORT

The Krasnodar Krai has five airports: international airports in Krasnodar, Sochi and Anapa and national ones in Gelendzhik and Yeysk. Pashkovsky Airport (Krasnodar) is one of the largest air gates in Russia.

The region also has a 26,000 km motorway network.

Two years ago, the Russian and Ukrainian presidents signed an agreement to construct a bridge that will connect the Krasnodar Krai with the Crimea in Ukraine. However, the document has yet to be ratified by the parliaments of both countries.

The Krasnodar division of the North-Caucasian Railway includes 154 railway stations and more than 2,700 km of railway lines.

There is a river port and eight sea ports in the krai at Novorossiysk, Tuapse, Sochi, Anapa, Gelendzhik, Yeysk, Temryuk and the Port of Caucasus. The Novorossiysk and Tuapse ports are capable of handling deep draft vessels and handle one-third

of Russian oil exports. The Port of Caucasus, Temryuk and Yeysk handle vessels with a cargo capacity of up to 5,000 tons. The ports of Sochi, Anapa and Gelendzhik service passenger traffic. Sea ports provide direct access to the international routes via the Black Sea and the Azov Sea.

Local ports handle, in aggregate, about 30% of international cargoes in and out of Russia carried by sea; total cargo turnover exceeds 150 million tons per year.

AGRICULTURE

Excellent soils and favourable climatic and environmental conditions have helped the Krasnodar Krai earn a reputation one of the top agricultural regions in the country.

Among the subordinate entities of Russian Federation, the Krasnodar Krai is the top producer of grain crops, sugar beet, fruits and berries, the second producer of sunflower seeds, honey, eggs, meat and poultry, and the third producer of milk and vegetables.

The northern and central parts of the region grow grain, sugar beet, sunflowers and soya; the western part produces rice; the southern foothills produce potatoes, vegetables, tea and citrus fruits; and the Anapa-Black Sea coast band is home to viticulture and wine-making.

As for the food industry, development prospects include the augmentation of meat and milk production, soya processing, and the refurbishment of production capacities.

INDUSTRY

Local industry is represented by more than 5,400 big, medium and small businesses. A specific feature of the industrial infrastructure in the krai is highly concentrated manufacturing facilities in the main Kuban industrial areas including the cities of Krasnodar, Armavir, Tikhoretsk, Novorossiysk, Kropotkin and Slavyansk-on-Kuban, as well as the Krymsk and Timashevsk districts.

Processing enterprises make up the backbone of local industry in the following percentages of the total volume of industrial production: the food industry (42.8%); the electric power industry (13.4%); the fuel industry (10.5%); engineering and metalworking (9.4%); and structural materials (7.9%).

With more than 700 enterprises, woodworking plays a significant role in the economy of the Krasnodar Krai. Companies with the greatest growth potential include woodworkers and furniture makers.

The region hosts about 750 foreign capital companies, with investors coming from more than 70 countries.

Large-scale preparation for the Sochi 2014 Winter Olympic Games has added strong impetus to economic growth in the region. The building sector, which has become one of the fastest growing and attractive areas, encourages in its turn the advancement of industry, including the wood processing industry.

FORESTRY

All forests located in the forest estate of the Krasnodar Krai are considered protection forests. Clear cutting is prohibited. Forested areas account for 20.2% of the total area of the region (1.685 million hectares). About 1.266 million hectares (75.1% of the total forested area) is regulated by the forestry department.

The main forest species in the region is oak, totalling 68.2% of local forests. Coniferous forests account for 4.8% and beech forests for 17.7%; in aggregate, other species amount to about 9.3% of the total.

The total wood stock is 226.42 million m³ of which 109.03 million m³ is mature and over mature wood. The actual volume of the harvest in 2011 was 444,100 m³ which is 52.1% of AAC (annual allowable cut).

Forests are unevenly distributed in the region: they are mainly concentrated in the south. Mature and old-growth stands fit for use cover an area of 457,600 hectares or 38.3% of the total forested area. Stands dominated by hard-leaved species account for 85.1% of the exploitable forests and may be considered high-value forests for logging companies.

The native tree species include sweet chestnut, Circassian walnut, juniper, yew and box, which are unique in Russia, as well as coniferous and deciduous endemics. The Krasnodar Krai is famous for forests with an exclusive biological diversity that is comprised of about 150 tree and bush species.

The uniqueness and biodiversity of the local forests has been brought about by a combination of two types of georgaphy – the European Russian steppe and North-Caucasus Mountains. These create an exceptional landscapes and make them recreationally attractive and environmentally valuable.

The Forestry Department of the Krasnodar Krai has leased and provided for use about 650,000 hectares; i. e. more than 50% of the forest estate area. It concluded 1,563 lease agreements. Twenty four forest users have been given perpetual forest use rights.

Since the region is rich in valuable tree species and clear-cuts are prohibited, the issue of illegal logging has a special focus. The Forestry Department and various divisions of local law enforcement agencies have established a working group and joined efforts to combat illegal logging. The Kuban Cossack Army is also involved in the fight against poachers.

In total, foresters and law enforcement officers, combined with Cossack guards, have carried out 3,207 raids and forest patrols to reveal 167 unauthorised harvesting operations. The volume of illegally harvested timber was 8,222 m³. According to data provided by the Forestry Department, this amounted to 610 million rubles in losses.

In 2011, the volume of illegal timber decreased by 2,155 m³ or 21% as compared to the previous year (10,378 m³); likewise, the amount of incurred loss diminished by 256 million rubles (30%).

The Krasnodar Krai has topped the World Wide Fund for Nature (WWF) Forest Management Rating for the second consecutive year. The rating, calculated with the support of the National Rating Agency and Russian Forestry Agency, is an independent non-departmental assessment. The methodology assesses the quality of forest management against conventional indicators of the economic efficiency of forest use and the effectiveness of governmental agencies (ensuring high-quality forestry and environmental resilience of forests, law enforcement in the forest sector, and forest protection against fire).

TIMBER INDUSTRY

Despite low intensity of harvesting, the regional woodworking industry is quite developed. The regional Industry Department says that this is due to the favourable geographical location of the Krasnodar Krai, a dense transport and utility infra-structure and the presence of valuable tree species.

The share of the timber industry in the total volume of industry in the region approximates 10%. The largest timber processing centres are Krasnodar, Apsheronsk, Abinsk, Timashevsk and Goryachy Klyuch.

The share of large and medium enterprises in the woodworking industry is about 30 to 35%, with the rest of the industry being represented by small businesses.

The key focus areas of the regional timber industry are woodworking, furniture and paper making. According to analysts in the regional Forestry Department, these three areas will demonstrate rapid growth. The department thinks that the most favourable development scenario is for timber clusters based on particle board, and timber and furniture producers ensuring cross-fertilization and competition.

The building boom inspired by the approaching 2014 Winter Olympics Games has also boosted timber house building, production of particle boards, lumber, wood structures, joinery products, furniture and interior items in the region.

Yevgenia CHABAK



Krasnodar Krai government authorities responsible for timber industry regulation

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Chief Shiroky Alexey Nikolaevich
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Tel./Fax: (861) 268-20-04, dlh@krasnodar.ru, www.dlhkk.ru

Enterprises of the forestry industry of the Krasnodar Krai

Name	Activity	Address	Contacts
Abramov S.Y., IP	Woodworking: sash pulleys, and doorsets. Furniture production: casegoods furniture	352102, Krasnodar Krai, Tikhoretsky rayon, st. Ternovskaya, ul. Krasnaya, 164	Tel. +7 (961) 51-15-120, abramov.term@mail.ru,
Abric, 000 (Parpulov A.N., IP)	Furniture production: casegoods furniture	352601, Krasnodar Krai, Belorechensky rayon, pos. Rodniki, ul. Shosseinaya, 79	Tel. +7 (86155) 3-74-52, 3-74-51, abric-mebel@mail.ru, www.abric-mebel.ru
Accent, MF (Kamerlokh A.P., IP)	Furniture production: casegoods furniture. Woodworking: furniture facades	353200, Krasnodar Krai, Dinskoy rayon, st. Dinskaya, ul. Shevchenko, 29	Tel. +7 (86162) 6-19-19, akcent2008@mail.ru, www.alto-kuban.ru
Aiva, 000	Furniture production: soft furniture	350001, Krasnodar, ul. Vishnyakovoy, 2	Tel. +7 (861) 211-20-69, 211-24-46, aiva-mebel@yandex.ru, www.aiva-mebel.ru
Aleks, MF	Furniture production: soft furniture	352290, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Bratskaya, 63	Tel./fax +7 (86144) 3-00-66, tel. +7 (86144) 3-58-47, +7 (918) 144-88-48, mail@alekc-mebel.ru, www.alekc-mebel.ru
Alfa Ross, 000	Furniture production: furniture from solid wood. Woodworking: doors	350008, Krasnodar, ul. Sormovskaya, 205, kv. 42	Tel. +7 (928) 840-80-55, igor-alfaross@yandex.ru, www.alfaross.ru
Alfa, MF	Furniture production: casegoods furniture, and furniture from solid wood	350051, Krasnodar, ul. Dalnaya, 43	Tel. +7 (861) 221-44-03, +7 (918) 313-29-82, fabrika_alfa@mail.ru, www.f-alfa.ru
Alfa-Mebel, 000	Furniture production: casegoods, and soft furniture	350000, Krasnodar, ul. Severnaya, 389, office 20	Tel. +7 (861) 244-05-64, +7 (861) 292-05-64, am@mebel-mall.ru, www.mebel-mall.ru
AMK-Troya, 000	Furniture production: furniture for pharmacies, and table tops	352900, Krasnodar Krai, Armavir, ul. Novorossiyskaya, 147	Tel. +7 (86137) 5-79-22, +7 (928) 443-04-44, mda-profi@inbox.ru, www.amk-troya.ru
Angazhement Fabrika, 000	Furniture production: soft furniture	350075, Krasnodar, ul. Sormovskaya, 1X, territory KHBK	Tel. +7 (861) 210-37-32, office@angagement.ru, www.angagement.ru
Apolinariya, 000	Pulp-and-paper: cardboard, and goffer packaging	352905, Krasnodar Krai, Armavir, ul. K.Marxa, 86	Tel. +7 (86137) 2-74-84, 2-73-04, fax +7 (86137) 7-15-92, apolinaria06@mail.ru, www.akarton.ru
Apsheronsk, PDK, ZAO	Wood-sawing: moulded strips. Woodworking: sash pulleys, doorsets, and MDF. Furniture production: tables, and chairs	352690, Krasnodar Krai, Apsheronsk, ul. Komarova, 131	Tel. +7 (86152) 2-77-92, fax +7 (86152) 2-79-44, mdf_23@mail.ru, www.a-pdk.com
AR Carton, ZAO	Pulp-and-paper: goffer cardboard, cardboard tare, cellulose, wood pulp, paper, and cardboard	352700, Krasnodar Krai, Timashevsk, ul. Gibridnaya, 2	Tel. +7 (861) 30-26-480, fax +7 (861) 302-64-25, kuban@ar-carton.com, www.ar-carton.com
Archi, 000	Woodworking: doors, wall boards, stairs, and bar counters	350020, Krasnodar, ul. Gavrilova, 30	Tel. +7 (961) 59-44-218, +7 (861) 255-64-65, 6442@mail.ru
Armada, MF (Krasnozhenov G.A., IP)	Furniture production: soft furniture, and casegoods furniture	353682, Krasnodar Krai, Yeysk, ul. Chkalova, 37	Tel. +7 (86132) 4-28-96, mail@mf-armada.ru, www.mf-armada.ru
Armavir Furniture Plant, 000	Furniture production: furniture from solid wood	352900, Krasnodar Krai, Armavir, ul. Michurina, 2	Tel. +7 (86137) 2-73-74, armmebfab@gmail.com
Baget & K, 000	Woodworking: board products	350020, Krasnodar, ul. Topolinaya, 29	Tel. +7 (861) 257-06-86, 257-06-87, baget-k_58@mail.ru, www.baget-k.com
Bakaut, PKP, 000	Furniture production: casegoods furniture	350005, Krasnodar, ul. Volgogradskaya, 121	Tel. +7 (861) 210-00-07, +7 (918) 466-52-16, fax +7 (861) 258-4219, bakaut@list.ru, www.bakaut-mebel.ru
BiS, Company	Furniture production: furniture from solid wood	350049, Krasnodar, proezd Novomariansky, 5	Tel. +7 (918) 439-71-02, oleg-bis@mail.ru, www.fabric-bis.ru
Chechelyan V.P., IP	Furniture production: soft furniture, and furniture from solid wood	352290, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Urupskaya, 216	Tel. +7 (86144) 3-82-22, +7 (918) 037-57-57, +7 (928) 036-57-20, mail@mebelalina.ru, www.mebelalina.ru
Chekhun A.P., IP	Furniture production: casegoods furniture	350007, Krasnodar, ul. Industrialnaya, 1/1	Tel. +7 (861) 268-83-88, wic@mail.kubtelecom.ru
Chernomorskmebel, 000	Furniture production: casegoods, and soft furniture	353900, Krasnodar Krai, Novorossiysk, ul. Ledneva, 5	Tel. +7 (8617) 64-40-19, 64-26-48, 64-08-31, oksanamebel@mail.ru
Darvut, 000	Wooden house construction: glulam houses, and frame-houses. Wood-sawing: saw timber, and moulded strips. Woodworking: sash pulleys, and doorsets	353360, Krasnodar Krai, Krymsky rayon, st. Troitskaya, uchastok Sebedakhovsky	Tel./fax +7 (86146) 786-82, tel. +7 (988) 240-70-75, darvut@bk.ru, www.darvut.ru
Demidov A.I., IP	Furniture production: furniture from solid wood, kitchens, and office furniture. Woodworking: stairs, and doorsets	353322, Krasnodar Krai, Abinsk, ul. Mira, 213A	Tel. +7 (86150) 4-16-24, demidov_mebel@yahoo.ru, www.demidov-mebel.ru
Diamant, 000	Furniture production: casegoods, and soft furniture	350080, Krasnodar Krai, Krasnodar, ul Novorossiyskaya, 55	Tel. +7 (928) 416-64-74, dmdkras@mail.ru, site.premierlist.ru/diamant

Name	Activity	Address	Contacts
DOK, 000	Wood-sawing: saw timber	353810, Krasnodar Krai, Krasnoarmeysky rayon, st. Poltavskaya, ul. Narodnaya, 2	Tel. +7 (86165) 4-30-93, 4-33-44, dokles@mail.ru,
Eco-Okna, 000	Woodworking: sash pulleys, and doorsets	354065, Krasnodar Krai, Sochi, ul. Gagarina, 72/1	Tel. +7 (965) 480-82-95, bm61@yandex.ru, www.sochi-eco-okna.ru
Efe, 000	Lumbering. Wood-sawing: saw timber	353680, Krasnodar Krai, Yeysk, ul. Rabochaya, 2A	Tel. +7 (86132) 2-20-14, 2-63-24, 2-20-15, maro2016@yandex.ru
Euro Dom, 000	Wooden house construction: frame-houses	354340, Krasnodar Krai, Sochi, ul. Gastello, 28A	Tel. +7 (918) 401-21-00, eurohaus@yandex.ru, www.evrodom-sochi.ru
Forest Invest, 000	Woodworking: furniture, and wall shields; and doorsets	352571, Krasnodar Krai, Mostovskiy rayon, pos. Mostovskoy, ul. Yuzhnaya, promzona	Tel. +7 (86192) 5-10-90, 5-11-93, 5-47-47, +7 (861) 256-18-99, sofoclis@rambler.ru, www.forest-invest.narod.ru
Forest, Company (Kopyltsova N.U., IP)	Furniture production: caseloads furniture. Woodworking: furniture facades, MDF, and interior doors	350059, Krasnodar, ul. Novorossiyskaya, 172	Tel. +7 (861) 239-66-75, +7 (918) 396-13-06, forestdrev@mail.ru, www.forestdrev.ru
Fortcom, 000	Wood-sawing: saw timber	352653, Krasnodar Krai, Apsheronsk, ul. Socialisticheskaya, 89	Tel. +7 (918) 483-89-72, oofortcom@rambler.ru
Frolov A.V., IP	Furniture production: furniture from solid wood	352292, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Frunze, 111Г	Tel. +7 (918) 415-13-51
Gar-Mar, 000	Furniture production: caseloads, and soft furniture	352900, Krasnodar Krai, Armavir, ul. Mira, 79	Tel. +7 (86137) 5-34-34, gar-mar@mail.ru, www.garmar.ru
Gelendzhik, GK (Bondar D.N., IP)	Furniture production: caseloads furniture	353460, Krasnodar Krai, Gelendzhik, ul. Krasnogvardeyskaya, 38A, lit.5, office 8	Tel. +7 (928) 432-65-73, gel-mebel@mail.ru
Gnezdilov G.A., IP	Furniture production: soft furniture	352931, Krasnodar Krai, Armavir, ul. Shaumyana, 6	Tel. +7 (86137)2-95-90, 3-16-68, euromebel-plus@mail.ru, www.euromebel-plus.ru
Gordienko S.G., IP	Furniture production: caseloads furniture	353521, Krasnodar Krai, Temryuksky rayon, st. Golubitskaya, ul. Krsanaya, 33	Tel. +7 (918) 439-99-49
Gorelov's Furniture (Gorelov S.P., IP)	Furniture production: furniture from solid wood	352923, Krasnodar Krai, Armavir, ul. Novorossiyskaya, 68	Tel. +7 (86137) 9-40-99, 9-44-13, fax +7 (86137) 5-72-37, gorelov2006@mail.ru, www.gorelov.ru
Goryacheklyuchevskaya Furniture Plant, OAO	Furniture production: caseloads furniture	353292, Krasnodar Krai, Goryachiy Klyuch, ul. Kondratieva, 70	Tel. +7 (86159) 346-56, 350-67, fax +7 (86159) 358-12, 341-81, meb_fab@mail.kuban.ru, www.gkmf.ru
GRAM, Door factory (Gramatikopulo M.P., IP)	Woodworking: doors, ceilings, wooden wainscots, stairs	353320, Krasnodar Krai, Abinsk, ul. Oktyabrskaya, 96	Tel./fax +7 (86150) 5-20-64, 4-27-80, kx81@mail.ru, www.gramdoors.com
Granit, 000	Furniture production: caseloads furniture	350027, Krasnodar, ul. Gornaya, 11	Tel. +7 (861) 237-98-61, fax +7 (861) 237-06-71, granit-2000@mail.ru, www.granitmebel.ru
Innovatsionnaya Derevoobrabotka (Antonov A.P., IP)	Woodworking: thermo-timber. Wood-sawing: moulded strips. Furniture production: garden furniture	352931, Krasnodar Krai, Armavir, ul. Volodarskogo, 93	Tel. +7 (861-37) 9-43-00, +7 (928) 411-46-51, innww@yandex.ru, www.innww.ru
Kanon, 000	Woodworking: furniture shields	352690, Krasnodar Krai, Apsheronsk, Proletarskaya ul., 181Б	Tel. +7 (918) 377-11-59, +7 (861) 52-211-44, kanon2001@yandex.ru
Karkas Yug, 000	Wood-sawing: saw timber. Wooden house construction: frame-houses	353460, Krasnodar Krai, Gelendzhik, ul. Ostrovskogo, 164	Tel. +7 (86141) 55-540, info@mitekhouse.ru, www.mitekhouse.ru
Karri (Sokolov A.A., IP)	Furniture production: caseloads furniture	352380, Krasnodar Krai, Kropotkin, ul. 30 let Pobedy, 68	Tel. +7 (86138) 7-33-00, karrikropotkin@rambler.ru
Katrina, 000	Furniture production: caseloads furniture, and furniture from solid wood	353320, Krasnodar Krai, Abinsk, Zavodskaya ul., 5A	Tel. +7 (918) 474-70-70, +7 (952) 867-50-30, smkatrina@rambler.ru,
Kazachy Dub, 000	Wood-sawing: saw timber. Wooden house construction: houses from round log	350003, Krasnodar, ul. Krasina, 3/4, kv. 45	Tel. +7 (918) 366-00-03, kazdub@mail.ru
Kedr, 000	Woodworking: glulam	253600, Krasnodar Krai, Starominsky rayon, st. Starominskaya, ul. Ostrovskogo, 16	Tel. +7 (928) 210-02-96, majak@yandex.ru
Khromykh I.A., IP	Furniture production: caseloads furniture	352630, Krasnodar Krai, Belorechensk, Partizansky per., 53	Tel. +7 (86155) 354-46, +7 (918) 467-21-71, fax +7 (86155) 355-11, bel.interer@mail.ru
Kolesnikov S.A., IP	Wooden house construction: glulam houses	353450, Krasnodar Krai, ul. Osennaya, 5	Tel. +7 (903) 908-00-28, +7 (988) 526-73-50, agarin66@mail.ru
Komel, 000	Woodworking: floor plank, and doors. Wood-sawing: saw timber	352672, Krasnodar Krai, Apsheronsky rayon, st. Kurinskaya, per. Garazhny, 12	Tel. +7 (86152) 4-62-20, komel2004@mail.ru
Komstroy, 000	Woodworking: sash pulleys, doorsets, and stairs from solid wood. Furniture production: furniture from solid wood	354395, Krasnodar Krai, Sochi, ul. Dachnaya, 7	Tel. +7 (8622) 31-90-40, sodeko@inbox.ru

Name	Activity	Address	Contacts
Konteks-Mebel, 000	Furniture production: caseloads furniture	350010, Krasnodar Krai, Krasnodar, ul. Zipovskaya, 5/2	Tel. +7 (861) 210-16-19, vladimir@konteks-mebel.ru, www.konteks-mebel.ru
Korona-Lux, 000	Furniture production: soft furniture	350059, Krasnodar Krai, st. Starokorsunskaya, ul. Shkolnaya, 2	Tel. +7 (964) 913-70-92, +7 (861) 234-88-62, korona-luks@mail.ru, www.korona-luks.ru
Krasnodar Fabric of Cardboard Products, 000	Pulp-and-paper: confectioner's boxes, and goffer cardboard	350002, Krasnodar, ul. Levanevskogo, 169	Tel. +7 (861) 255-21-61, 255-85-27, 255-46-16, 255-85-27, 255-42-20, kfk@mail.ru,
Krasnodarles, Dzhubgsky Filial	Lumbering	352855, Krasnodar Krai, Tuapsinsky rayon, s. Plyakho, ul. Doroga Orlyat, 1	Tel. +7 (861-67) 9-22-52, doleshoz@mail.ru
Kraymebel, 000	Furniture production: caseloads furniture	350047, Krasnodar, ul. 3-ja Linia, 8	Tel. +7 (861) 246-59-25, fax +7 (861) 226-77-05, laa-mebel@yandex.ru, www.kraymebel.ru
Kuban, 000	Furniture production: caseloads, and soft furniture	352900, Krasnodar Krai, Armavir, ul. Povetkina, 180/1	Tel. +7 (86137) 7-333-0, 7-222-0, +7 (989) 826-70-12, mk-kuban@inbox.ru, www.mk-kuban.ru
Kuban's Plant of Wall Materials, 000	Wood-sawing: moulded strips. Woodworking: veneer, and plywood	350000, Krasnodar, ul. Krasnoarmeyskaya, 36	Tel. +7 (861) 274-90-42, +7 (86162) 7-26-28, www.ksmk.ru
Kuban-M, 000	Furniture production: caseloads furniture	352900, Krasnodar Krai, Armavir, ul. Krasnykh Partizan, 70	Tel. +7 (86137) 7-84-64, kubM@yandex.ru
Kuban-Mebel (Dyukarev O.G., IP)	Furniture production: caseloads furniture made from MDF	352251, Krasnodar Krai, Otradnensky rayon, st. Poputnaya, ul. Kalinina, 1A	Tel. +7 (86144) 921-08, +7 (918) 447-10-08, kuban-mebel@rambler.ru, www.kuban--mebel.ru
Kuban-Mebel, 000	Furniture production: soft furniture	353680, Krasnodar Krai, Yeysk, ul. Proletarskaya, 38	Tel. +7 (86132) 3-52-28, +7 (86132) 3-52-21, sbit@ooo-kuban-mebel.ru, www.ooo-kuban-mebel.ru
Kubansky Modulny Dom (KMD), GK	Wooden house construction: wooden modular houses	350000, Krasnodar Krai, Tbilissky rayon, st. Tbilisskaya, ul. Elevatornaya, 72Г	Tel. +7 (918) 435-23-92, +7 (988) 242-29-85, kmd@modular-house.ru, www.modular-house.ru
Labirint, MF, 000	Furniture production: caseloads furniture	352630, Krasnodar Krai, Belorechensk, ul. Lutsenko, 127	Tel. +7 (861) 290-83-20, mebelop@mail.ru, www.mebelop.ru
Leo Lux, 000	Furniture production: caseloads, and soft furniture	350910, Krasnodar Krai, pgt. Pashkovsky, ul. Krupskoy, 2/8	Tel. +7 (861) 266-19-70, +7 (861) 266-55-56, leolux@list.ru, www.leoluxmebel.ru
Lestorg (Rogalev E.V., IP)	Wood-sawing: saw timber	350039, Krasnodar, ul. Demusa, 56	Tel. +7 8-918-377-42-27
Liza-Mebel (Durgalian B.A., IP)	Furniture production: soft furniture	350061, Krasnodar, ul. Pochtovaya, 234	Tel. +7 (861) 266-18-91, +7 (918) 392-58-38, +7 (918) 456-07-61, e-mail@liza-mebel.ru, www.liza-mebel.ru
Maestro Classic, 000	Furniture production: furniture from solid wood. Woodworking: doors, and stairs	352690, Krasnodar Krai, Apsheronsk, ul. Proletarskaya, 204	Tel. +7 (86152) 2-34-59, maestroclass1@yandex.ru, www.oommk.ru
Marketri, 000	Furniture production: furniture from solid wood. Woodworking: doors	350002, Krasnodar, ul. Levanevskogo, 195	Tel. +7 (861) 255-93-28, 259-34-74, georg@marketri.net, www.marketri.net
Master Les (Golovin A.U., IP)	Woodworking: stairs, sweatbaths	353454, Krasnodar Krai, Anapa, ul. Lenina, 153, kv. 120	Tel. +7 (918) 45-48-918, 14-36-306, master-les@mail.ru, www.master-les.ru
Matytsin M.A., IP	Furniture production: caseloads furniture	353680, Krasnodar Krai, Yeysk, ul. Armavirskaya, 45/2, office 1	Tel. +7 (928) 333-75-25, +7 (918) 627-86-46, mebelinterer@ya.ru, www.mebelinterer.com
Mebel May, 000	Furniture production: furniture from beech solid wood	353211, Krasnodar Krai, Dinskoy rayon, st. Novotitarovskaya, ul. Kraynaya, 18Г	Tel. +7 (86162)48-6-00, +7 (918) 444-72-86, mebel-may@bk.ru, www.mebel-may.ru
MiAl, MF (Matvienko M.P., IP)	Furniture production: furniture from solid wood, soft furniture	352290, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Traktovaya, 2Ж	Tel. +7 (861) 44-350-12, +7 (928) 412-92-58, +7 (918) 34-54-253, matvienko_otr@mail.ru, www.mebelmial.ru
Milana, 000	Furniture production: caseloads, and soft furniture	352290, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Bratskaya, 33Б	Tel. +7 (861) 443-47-69, 443-47-43, milana@mebel-milana.ru, www.mebel-milana.ru
Mir Dereva (Kravchenko S.V., IP)	Woodworking: doors, stairs, and furniture facades	350000, Krasnodar Krai, Krasnodar, ul. Dlinnaya, 79	Tel. +7 (861) 259-83-83, 259-88-44, +7 (928) 265-12-22, elit-derevo@mail.ru, www.mir-dreva.ru
Nasko, 000	Wood-sawing: saw timber	352630, Krasnodar Krai, Belorechensk, ul. Sovkhoznaya, 3	Tel. +7 (86155) 2-73-42, +7 (918) 430-72-46, naskowood@mail.ru,
Neo Company	Furniture production: soft furniture	350001, Krasnodar Krai, Krasnodar, ul. Furmanova, 7	Tel. +7 (861) 267-63-61, +7 (861) 244-58-30, 777@mebel-neo.ru, www.mebel-neo.ru
Nika, MF, 000	Furniture production: caseloads furniture. Woodworking: furniture facades	353440, Krasnodar Krai, Anapa, st. Anapskaya, ul. Tbilisskaya, 34A	Tel. +7 (918) 359-86-82, +7 (961) 581-45-54, +7 (86133) 5-95-40, amfnika@rambler.ru, www.amfnika.bos.ru
Nona, 000	Wood-sawing: saw timber	352630, Krasnodar Krai, Belorechensk, ul. Lenina, 107, kv. 253	Tel. +7 (918) 627-22-73, kolyadinstant@mail.ru

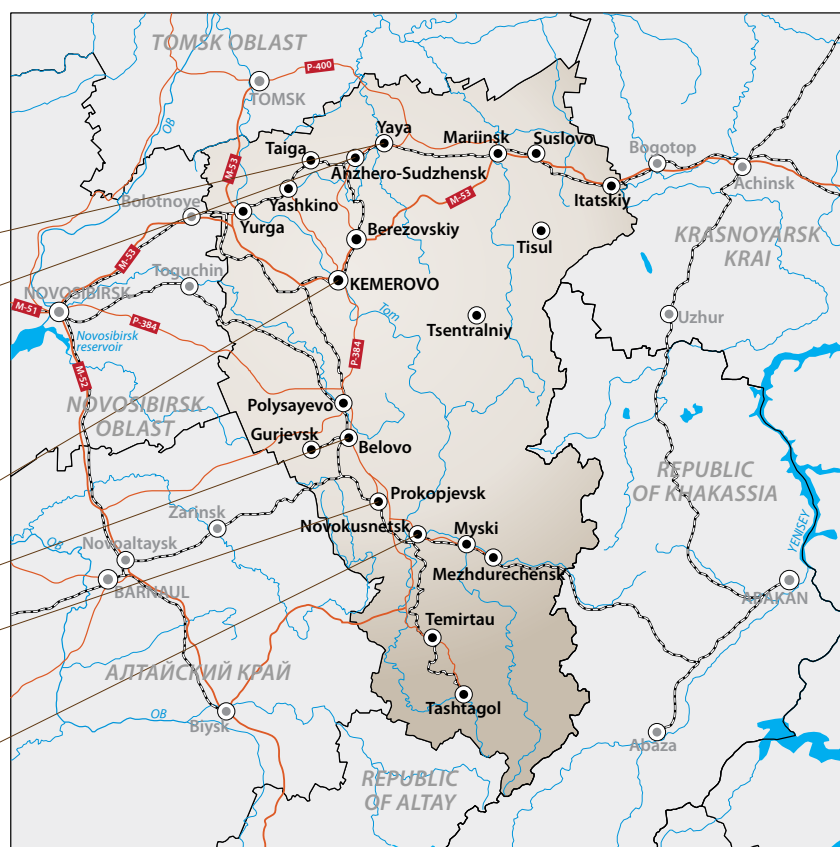
Name	Activity	Address	Contacts
Oblik, 000	Wooden house construction: glulam houses. Woodworking: sash pulleys, doorsets, and parquet plank. Wood-sawing: moulded strips	350357, Krasnodar Krai, Krymsky rayon, st. Varenikovskaya, ul. Chapaeva, 21	Tel. +7 (928) 035-50-77, rdd.wdk@mail.ru
Omega, 000	Furniture production: casegoods furniture, chairs	352430, Krasnodar Krai, Kurganinsk, ul. Privokzalnaya, 1A	Tel./fax +7 (86147) 323-89, omega-mf@mail.ru, www.omega-fab.ru, www.fabrika-stuliev.ru
Orizon, 000	Furniture production: casegoods, and soft furniture; furniture for children, offices, and hotels	350059, Krasnodar, ul. Tikhoretskaya, 26	Tel. +7 (861) 263-78-70, 263-78-51, ooo-orizon@mail.ru, www.mebel-orizon.ru
Packaging Kuban, ZAO	Pulp-and-paper: goffer cardboard, and packaging from it	352708, Krasnodar Krai, Timashevsk, ul. Gibridnaya, 2	Tel. +7 (86130) 26-3-11, fax +7 (86130) 26-270, sales.kuban@sca.com
Parma, 000	Wood-sawing: saw timber. Woodworking: pallets	353960, Krasnodar Krai, Novorossiysk, s. Tcemdolina, ul. Promyshlennaya, 8	Tel. +7 (8617) 26-93-13, 26-92-16, parma2004@mail.ru
Parquet-Appalux, 000	Woodworking: floor plank from solid wood	350020, Krasnodar, ul. Kommunarov, 268A, office 26	Tel. +7 (960) 49-01-001, +7 (918) 11-44-889, appalux@mail.ru, www.appalux.ru
Piramida, MF, 000	Furniture production: casegoods furniture	350078, Krasnodar, ul. Turgeneva, 189, kv. 14	Tel. +7 (861) 227-52-19, 227-87-87, +7 (961) 52-11-778, +7 (928) 401-58-46, info@mebelpiramida.ru, www.mebelpiramida.ru
Podlesnov, IP	Furniture production: casegoods furniture. Woodworking: furniture facades	352900, Krasnodar Krai, Armavir, Severnaya Promzona, 16	Tel. +7 (86137) 4-29-10, 9-71-78, +7 (988) 379-71-78
Predgorye, 000	Wood-sawing: saw timber. Furniture production: kitchens	352690, Krasnodar Krai, Apsheronsk, ul. Yudina, 13A	Tel. +7 (86152) 277-11, +7 (918) 445-21-01, predgorye23@rambler.ru, www.predgorye-apr.ru
Pregner V.U., IP	Woodworking: sash pulleys, and doorsets	353115, Krasnodar Krai, Vyselkovsky rayon, st. Novomalorossiyskaya, ul. Krasnaya, 171A	Tel. +7 (918) 466-83-06
Prima-Mebel, 000	Furniture production	352281, Krasnodar Krai, Otradnensky rayon, st. Spokoynaya, ul. Vygonnaya, 101	Tel./fax +7 (86144) 9-32-35, 9-33-70, prima-mebel@mail.ru, www.primebel.narod.ru
Psebay Parquet Plant (Slisarenko O.A., IP)	Woodworking: parquet plank, and doors from solid wood. Wood-sawing: saw timber, and moulded strips	352585, Krasnodar Krai, Mostovskoy rayon, pos. Psebay, ul. Mostovaya, 169	Tel. +7 (918) 160-19-90, forestslisarenko@mail.ru
Psebaylesprom, ZAO	Woodworking: stairs, and joinery	352585, Krasnodar Krai, Mostovskoy rayon, pos. Psebay, ul. 60 Let Oktyabrya, 1	Tel. +7 (86192) 6-22-40, psebaylesprom@mail.ru, www.psebaylesprom.ru
Rassvet, ZAO	Lumbering. Wood-sawing: saw timber	352690, Krasnodar Krai, Apsheronsk, ul. Fabrichnaya, 2	Tel./fax +7 (86152) 2-02-89, rassveta23@yandex.ru
Rassvet, 000	Furniture production: casegoods, and soft furniture	352290, Krasnodar Krai, Otradnensky rayon, st. Otradnaya, ul. Oktyabrskaya, 246	Tel. +7 (86144) 3-47-72, +7 (964) 932 97 67, rassvet-otr@rambler.ru, www.rasvet-mebel.ru
Redina, MF	Furniture production: casegoods, and soft furniture	350080, Krasnodar, ul. Novorossiyskaya, 172	Tel. +7 (861) 239-32-90, +7 (918) 453-20-21, +7 (918) 247-85-04, redina2014@gmail.com, www.redina.nethouse.ru
Romis, MF	Furniture production: casegoods furniture	350059, Krasnodar, ul. Dezhneva, 33	Tel./fax +7 (861) 234-42-72, +7 (918) 443-27-31, romis.meb@yandex.ru, www.romis-mebel.ru
Rosmebel, MK (Kuznetsov D.O., IP)	Furniture production: casegoods furniture	353907, Krasnodar Krai, Novorossiysk, ul. Moskovskaya, 3	Tel. +7 (8617) 21-68-94, mr.rosmebel@mail.ru
Rudnev M.P., IP	Wood-sawing: saw timber	353100, Krasnodar Krai, Vyselkovsky rayon, st. Vyselki, per. Nevsky, 1	Tel. +7 (918) 472-33-39, rudnevmp@mail.ru
Rusky Les, 000	Wood-sawing: saw timber	353691, Krasnodar Krai, Yeysk, ul. Rabochaya, 1/9	Tel. +7 (86132) 2-67-40, 2-62-59, 2-67-42, rus_les@rambler.ru
Ryabenko P.G., IP	Wooden house construction: houses from round log	353520, Krasnodar Krai, Temryuk, ul. Kosmonavtov, 16	Tel. +7 (918) 440-37-00, dvor_metelica@mail.ru
Sakhno, A.I., IP	Furniture production: casegoods furniture	350002, Krasnodar, ul. Severnaya, 486	Tel. +7 (861) 275-73-07, sahno-mebel@yandex.ru, www.unc-mebel.ru
Sandal, 000	Furniture production: casegoods furniture	353380, Krasnodar Krai, Krymsk, ul. Lunacharskogo, 271	Tel. +7 (964) 937-67-66, tel./fax +7 (86131) 4-42-05, sandal-krymsk@yandex.ru, www.sandal-krymsk.ru
Shishkin V.N., IP	Furniture production: casegoods furniture	353730, Krasnodar Krai, Kanevskoy rayon, st. Kanevskaya, ul. Yubileinaya, 48	Tel. +7 (86164) 7-49-76, +7 (961) 500-51-02, shishkin.vn@mail.ru
Shvedinsky A.N., IP	Wood-sawing: saw timber. Woodworking: plywood, and chipboard	353990, Krasnodar Krai, Novorossiysk, pos. Gayduk, ul. Sviridova, 15	Tel./fax +7 (8617) 64-66-77, tel. +7 (918) 445-92-31, sima-elena@mail.ru

Name	Activity	Address	Contacts
Skolot, 000	Lumbering	369281, Krasnodar Krai, Urupsky rayon, pos. Mednogorsky, ul. Shosseynaya, 1A	Tel. +7 (928) 922-89-72, skolot-voodles@yandex.ru
Slavyansky Tare Plant, 000	Woodworking: wooden tare	353560, Krasnodar Krai, Slavyansk-on-Kuban, ul. Zapadnaya, 5	Tel. +7 (86146) 2-10-80, 2-15-97, slavtara@yandex.ru, www.slavtara.ru
Sochinsky DOZ, ZAO	Woodworking: timber, wooden, and cork products	354065, Krasnodar Krai, Sochi, ul. Gagarina, 72/1	Tel. +7 (8622) 98-34-27, 55-10-32, doz@inbox.ru,
Special Wooden Parts (SWP), 000	Woodworking: parquet	353485, Krasnodar Krai, Gelendzhik, pos. Arkhipo-Osipovka, ul. 1-ja Schel, 8	Tel. +7 (928) 412-51-11, swpzavod@yandex.ru, www.swparket.ru
StroyLesContinent, 000	Woodworking: joinery	352570, Krasnodar Krai, Mostovskoy rayon, pos. Mostovskoy, ul. Kutuzova, 97	Tel. +7 (918) 316-50-15, +7 (86192) 5-11-27, slk-2007@yandex.ru
Stroymarket, 000	Lumbering. Wood-sawing: saw timber, and chips. Woodworking: joinery, sash pulleys, doorsets, and stairs	352690, Krasnodar Krai, Apsheronsk, ul. Fabrichnaya, 285	Tel. +7 (86152) 218-28, +7 (861) 275-75-00, +7 (918) 430-43-89, s-market96@bk.ru, www.s-95.ru
Susanov V.B., IP	Furniture production: frame-furniture	352900, Krasnodar Krai, Armavir, ul. Dzerzhinskogo, 103	Tel. +7 (918) 463-70-75, svb-mebel@mail.ru, www.svb-mebel.ru
Tare Mill, 000	Woodworking: pallets	353235, Krasnodar Krai, Seversky rayon, pos. Afipsky, ul. Privokzalnaya, 7	Tel. +7 (86166) 3-31-31, +7 (918) 415-62-04, tara23@inbox.ru, www.tara23.ru
Tare Plant, 000	Woodworking: joinery, floor plank, furniture works, parquet frieze, and stairs	352500, Krasnodar Krai, Labinsk, ul. Gluschenko, 45	Tel. +7 (86169) 3-16-56, 928-405-94-96, tarkom_labinsk@mail.ru, www.tarkomlaba.ru
Team, 000	Furniture production: casegoods furniture, and kitchen	353900, Krasnodar Krai, Novorossiysk, pr. Dzerzhinskogo, 211	Tel. +7 (8617) 777-777, 772-770, 772-773, 77-27-27, team-nvrsk@mail.ru, www.team-nvrsk.ru
Teslenko E.N., IP	Furniture production: casegoods furniture	350400, Krasnodar, ul. Aivazovskogo, 118, kv. 73	Tel. +7 (918) 482-20-73, ev.teslenko@yandex.ru
Tissue-Bumaga, 000, SP	Pulp-and-paper: tissue	350038, Krasnodar, ul. Putevaya, 68	Tel. +7 (861) 274-06-15, 274-02-67, tissu-bumaga@rambler.ru, www.tissue-bumaga.ru
Triumph-Plus, 000	Furniture production: casegoods, and soft furniture	350059, Krasnodar, ul. Uralskaya, 104A	Tel. +7 (861) 210-89-10, super_triumph@mail.ru, www.mebel-triumph.ru
Tsutsko M.L., IP	Furniture production: casegoods furniture	353730, Krasnodar Krai, Kanevskoy rayon, st. Kanevskaya, ul. Tamanskaya, 91	Tel. +7 (960) 493-61-77, mihail-ts@mail.ru
Vektor-Mebel, 000	Furniture production: casegoods furniture	352900, Krasnodar Krai, Armavir, ul. Engelsa, 101	Tel. +7 (86137) 7-23-33, +7 (918) 48 49 425, info@armavirmebel.ru, www.armavirmebel.ru
Vesta, 000	Furniture production: casegoods furniture	350018, Krasnodar, ul. Onezhskaya, 35, office 14	Tel. +7 (861) 210-96-18, 210-96-19, vestamebel@mail.ru, www.vesta-m.ru
Vostok-Kuban, 000	Furniture production: furniture from solid wood	350051, Krasnodar, ul. Volgogradskaya, 121	Tel. +7 (861) 258-28-54, sop58@rambler.ru, www.vkmebel.ru
Wood Life, 000	Furniture production: furniture from solid wood. Woodworking: sash pulleys, and doorsets	353280, Krasnodar Krai, Goryachiy Klyuch, st. Saratovskaya, a/d Saratovskaya-Martanskaya, 898 km	Tel. +7 (86159) 31497, wood-life@mail.ru, www.wood-life.ruprom.net
Yekaterina, 000	Furniture production: casegoods furniture	350072, Krasnodar Krai, Krasnodar, ul. Koryakina, 27, office 19	Tel. +7 (928) 232-66-08
Yermakov S.L., IP (Legasim)	Furniture production: casegoods furniture	354065, Krasnodar Krai, Sochi, ul. Gagarina, 72/1	Tel. +7 (8622) 98-27-13, +7 (918) 908-23-93, legasy.ru@mail.ru,
Yesenia Mebel, 000	Furniture production: casegoods furniture	350000, Krasnodar, ul. Frunze, 120/13	Tel. +7 (861) 252-32-34, info@esenyja.ru
Yeysk Furniture Plant, 000	Furniture production: tables, and chairs from solid beech	353680, Krasnodar Krai, Yeysk, ul. Gertsena, 9	Tel. +7 (86-132) 7-00-67, 4-54-49, eskmebel@mail.ru, www.vap-mebel.ru
Yeysk Seaport, OAO	Logistics: port, timber reloading, and transporting	353660, Krasnodar Krai, Yeysk, ul. Portovaya Alleya, 5	Tel. +7 (86132) 2-65-98, info@yeiskport.ru, www.yeiskport.ru
Yuglesagro, 000	Wood-sawing: saw timber	350015, Krasnodar, ul. Putevaya, 5, office 20	Tel. +7 (861) 253-74-62, 215-96-88, yuglesagro@mail.kuban.ru, www.yuglesagro.ru
Yugmebel Prestizh, 000	Furniture production: casegoods, and soft furniture	350058, Krasnodar, ul. Starokubanskaya, 114A	Tel. +7 (861) 231-74-36, +7 (929) 841-92-52, +7 (928) 27-55-929, admin@mebelyuga.ru, www.mebelyuga.ru
Yug-Mebel, 000	Furniture production: casegoods furniture	352750, Krasnodar Krai, Bryukhovetsky rayon, st. Bryukhovetskaya, Privokzalnaya pl., 2	Tel./fax +7 (86156) 20-767, +7 (86156) 333-53, ug-m@mail.ru, www.ug-m.ru

§ The Coal Leader

Large-scale forestry enterprises of the Kemerovo Oblast

Zolotoy Kitat, OOO
Avers-Les, OOO
Forest LTB, OOO
Kemerovoles, OOO
Kuzbasslesprom, PTK, OOO
MPK, ZAO
Nova-Mebel, OOO
ST, Group of companies, OOO
Tayozhny, OOO
Vlastelin Mebeli, OOO
Lesservis, OOO
Novokuznetsky DOZ, OAO
Novokuznetsky Fanerny Kombinat, OOO



The economy of the Kemerovo Oblast is concentrated around one of the largest coal fields in the world. But despite the oblast having the status of coal capital of Russia, this is not the only vector of development in the region.

The Kemerovo Oblast (Kuzbass) is located in the southeast of Western Siberia, in the middle of the Russian Federation: the distance to Russia's western and eastern borders from the oblast is approximately identical.

Kuzbass has an area of 95,700 m². This is quite large compared with the western regions of Russia and even with entire countries in Europe, but on the scale of Western Siberia the Kemerovo Oblast is the smallest. The distance from north to south is almost 500 km, and around 300 km from west to east.

The population is 2.8 million, 85% of which is made up of urban residents. The region is the most densely populated in Siberia, and is the most urbanized in the Siberian Federal District. There are seven cities in the oblast with a population of more than 100,000 residents: Kemerovo, Novokuznetsk, Prokopyevsk, Belovo, Kiselevsk, Leninsk-Kuznetsky and Mezhdurechensk. The administrative center is Kemerovo, although the largest city is Novokuznetsk with a population of 563,800 people. Together with numerous nearby inhabited settlements this forms the Novokuznetsk agglomeration, where a total of 1.15 million people live.

GEOGRAPHY AND CLIMATE

The Kemerovo Oblast is situated at a considerable distance from seas and oceans, with the nearest sea, the Kara Sea, almost 2000 km away.

The region is located at the meeting point of the Western Siberian plateau and the mountains of South Siberia.

The majority of the territory is occupied by the plateau-like Kuznetsk depression. The highest point in the region is 2178 m above sea level, and the lowest point is 78 m.

Thanks to this great difference in altitude, the natural conditions on the Kuzbass territory are quite diverse.

The dense river network of the Kemerovo Oblast is part of the Ob River basin. The largest rivers are the Tom, the Kiya, the Inya and the Yaya.

The climate is continental. Summer in the region is cool and short, while the winter is cold and long. The average temperature is +18 °C in July, and -18 °C in January. The frost-free season lasts from 100 to 120 days, depending on the area. Average annual precipitation varies from 300 mm in the plains to 1000 mm in the mountainous regions of the oblast.

TRANSPORT

The participation of business in the development of the transport network in Kuzbass can be considered a model example of such activity. Since 2002, local industrialists have invested in developing state railway lines and building new vehicular roads. As a result, the roads in Kuzbass are among the best in Russia.

The length of vehicular roads in the region totals 8454 km, 8198 km of which are hard surface roads. The federal M-53 ("Baikal") road, which is 468 km in length, passes through the oblast and Kemerovo. One of the busiest roads connects Kemerovo and Novokuznetsk. As the old road cannot cope with the traffic, a duplicate new four-lane highway with junctions at different levels is being built.

The railway network is well-developed in the Kemerovo Oblast, with connections to the Trans-Siberian Railway and to Central Asia. The total length of railway lines measures 1685 km.

There are three airports operating in the Kemerovo Oblast: in Kemerovo, Novokuznetsk and Tashtagol. The first two are of federal significance, while the third is one of local significance. The most developed airport is in Kemerovo, from where flights are made all over Russia and abroad (primarily charter flights to vacation destinations).

MINERAL RESOURCES

The main mineral wealth of Kuzbass is coal. The Kuznetsk coal basin is one of the largest coal fields in the world, with 58 mines and 36 open mine enterprises (surface mines). The geological supplies of the basin are valued at 733.4 billion tons to a depth of 1800 m, of which 724.3 billion tons meet the parameters for fields used for commercial exploitation. The Kemerovo Oblast accounts for 73% of the supplies of coal suitable for commercial exploitation in Russia.

In Kuzbass there are also fields of brown coal, supplies of which are estimated at 64.2 billion tons, and there are also supplies of iron ore, manganese, gold, silver, wolfram, mercury, molybdenum, cobalt, nickel and other minerals.

For metallurgy needs, around 20 fields have been surveyed and put into use containing fluxing limestone, dolomites, quartzites, coal clay and molding sands.

ECONOMY

Kuzbass is one of the most economically developed regions in the Russian Federation. Its foundation

is the coal industry, ferrous metallurgy and the chemical industry.

In the Kemerovo Oblast, 59.7% of Russia's coal is produced, as well as 12.8% of the nationwide production of steel, 13.1% of rolled ferrous metal products, 65% of wide-gauge railway lines and 100% of tram lines.

At present, full-scale reconstruction and modernization is proceeding for metallurgical enterprises in the oblast: new modern blast furnaces are being put into operation, and plants are being converted to manufacture the most competitive types of products.

The third pillar of the economy of the Kemerovo Oblast is the chemical industry. Fifty percent of Russia's caprolactam, 40% of cord cloths and 30% of synthetic resins and plastics are produced here.

The Kuzbass energy system includes eight thermal electric power stations with a total installed capacity of 4869 MWT. The largest of these is the Tom-Usinskaya regional power station (1272 MWT).

The significance of the agro-industrial complex in the economy of the Kemerovo Oblast is not great, with agriculture accounting for around 3.8% of the gross regional product.

FOREST RESERVE

Despite urban development and a high level of industrialization, the Kemerovo Oblast is classified as a heavily forested region. Forests cover 6.152 million hectares or 63.4% of the land in the region.

The specific nature of the Kemerovo Oblast lies in its high concentration of raw material and processing plants. Therefore, the main income in the structure of forestry revenue is from payment for use of forests for geological studies of minerals and the development of fields of mineral deposits. Although a section of the oblast is classified as heavily forested, the low commodity structure of the forests makes it very difficult to organize their effective use.

In the forest districts of the Kemerovo Oblast as a whole, the average road coverage for conducting forestry and logging activity is just 3 km per 1000 hectares. This figure varies for separate forest districts across a range from 1.2 to 15 km per 1000 hectares.

Construction and repair of forestry and logging roads is rarely carried out. In 2009 only 47 km of roads were built and 140 km of roads were

Statistics

In the Kemerovo Oblast 85.4% of forests are located on forest reserve land, 11.3% on protected natural territories, and the rest on Defense Ministry land, urban settlements and land of other categories.

The forest cover of the region is 61.9%, and within the administrative regions it varies from 10.2% (in the Leninsk-Kuznetsk region) to 96.2% (in the Tashtagol region).

By designated purpose, the forests in the Kemerovo Oblast are divided into protected (29.7%), exploitable (69.1%) and reserve forest (1.2%).

The total yield measures 769.9 million m³. The species composition of forests breaks down as follows: coniferous 52.5% (including fir types 38.9%, cedar 8.4%, spruce 2.9%, fir 2.1%, larch 0.2%) and soft wood 47.5% (birch 23%, aspen 24.2%, willow 0.2%, Siberian linden 0.1%).

The supply of mature and over-mature trees in the total supply equals 46.7% (7.4% of which is over-mature). In this category, the main supply 45.7% is accounted for by fir trees.

The supply of timber in the forests of the Kuzbass is assessed at 690 million m³. The calculated felling rate has been confirmed at a volume of around 7 million m³, of which 2.5 million m³ is coniferous forest.

According to data of the forestry complex department of the Kemerovo Oblast

Felling volumes of mature and over-mature forests in the Kemerovo Oblast from 1975 to 2010, million m³

Year	Felling volume (million m³)
1975	4.8
1980	3.7
1985	3
1990	2.8
1995	0.7
2000	0.3
2005	0.3
2006	0.2
2007	0.3
2008	0.7
2009	0.9
2010	0.7

repaired. These figures were similar in 2010. It should be noted that according to statistics, at least 10 km of roads per 1000 hectares are required to ensure the development of the forestry complex and the increase in use of the calculated felling area for the effective organization of forestry activity and the protection of forests from fire.

The use of the calculated felling rate in the region is around 12%, but for coniferous forests this figure is considerably higher at 22%. In the period from 1975 to the present, the volume of logging of mature and over-mature forests has dropped by almost eight times. It should be noted that even in the 1980s, when logging was in full swing, only half of the confirmed volumes of annual felling was exploited in the oblast.

In 2010, the government of the Kemerovo Oblast developed a 15-year strategic plan for the development of the forestry complex of the region (up to 2025). In accordance with this plan,

According to data from the Russian Statistics Board, the volume of logging in Kuzbass last year amounted to 384,000 m³. The data of the forest complex department of the oblast differs from state statistics by more than three times – 1.178 million m³. This enormous difference in figures is a reflection of the results of a different method of calculation. The Russian Statistics Board makes calculations based on the main type of the activity of enterprises, i.e. it only takes into account the results of work by enterprises for which logging is a priority. At the same time, the majority of forestry entrepreneurs in the Kemerovo Oblast combine logging with wood processing, agricultural production and the development of recreational activities and hunting. Furthermore, state statistics do not take into account the volumes of forest that are cut down by coal-producing enterprises in mining areas.

The main consumers of wood products in the Kemerovo Oblast are local enterprises in the metallurgical and chemical industries, which require containers and packaging materials, and coal producing enterprises, which require mining timber and various auxiliary materials.

There is still considerable demand for deliveries of wood chips and wood poles for aluminum plants, and also timber, wood materials and industrial wood residue for the needs of construction companies, furniture enterprises and agricultural enterprises.

The requirement of the Kemerovo Oblast for timber in 2008-2010, according to data from the forestry complex department, was 620,000 m³ per year, i.e. 10% of the existing calculated felling rate.

In Kuzbass, another priority investment project is being realized for developing forests – the construction of a plywood plant based at the Anzhersky plywood plant with the aim of manufacturing high-quality plywood. The projected capacity is 60,000 m³ per year, including 30,000 m³ of birch plywood of various sorts, and 30,000 m³ of laminated plywood per year. The project is expected to be realized in the period between 2010 to 2017.

According to ratings compiled by the WWF in Russia and the National Rating Agency (NRA), with the support of the Federal Forestry Agency, the Kemerovo Oblast has significantly improved figures for forest management, and moved from average to high quality forest management. As a result, the region rose 26 places in the ratings, and was placed tenth among Russian regions. According to the same rating, the Kemerovo Oblast was in first place, overtaking the Krasnoyarsk and Altai Krai, and the Tomsk and the Irkutsk oblasts in the Siberian Federal District.

Yevgeniya CHABAK

Kemerovo Oblast government authorities responsible for timber industry regulation

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Department of natural recourses and environment of the Kemerovo Oblast
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Enterprises of the forestry industry of the Kemerovo Oblast

Name	Activity	Address	Contacts
Armuar (Korysheva E.Y., IP)	Furniture production: caseloads furniture; furniture for kids, schools and medical facilities	650004, Kemerovo, ul. Sobornaya, 8, office 320	Tel. +7 (3842) 57-56-44, armyar@inbox.ru, www.apmyap.pф
ArsiTex, 000	Furniture production: caseloads and soft furniture	650010, Kemerovo, ul. Karbolitovskaya, 16A, office 101	Tel.: +7 (3842) 49-06-20, 76-51-53, a-dosa@mail.ru, www.arsitex.ekuz.ru
Art-Profil, 000	Furniture production: caseloads furniture	654004, Kemerovo obl., g. Novokuznetsk, ul. 375 km, str. 32, korp. 2	Tel. +7 (3843) 99-33-30, fax +7 (3843) 60-02-00, 390605@mail.ru, art601220@mail.ru, www.art-profil.ru
Avangard-Mebel, 000	Furniture production: caseloads furniture	650066, Kemerovo, pr. Lenina, 14	Tel.: +7 (3842) 33-00-30, (905) 901-45-88, avangardkem@mail.ru, www.avangardkem.ru
Avers-Les, 000	Wooden house construction: houses from round log, frameworks. Wood-sawing: saw timber	652479, Kemerovo obl., g. Anzhero-Sudzhensk, ul. Leningradskaya, 1A	Tel.: +7 (3845) 34-06-18, (901) 616-76-00, awers-les@yandex.ru, www.aversles.ru
Burakov E.V., IP	Wood-sawing: saw timber	652470, Kemerovo obl., Anzhero-Sudzhensk, per. Avtobusny, 2	Tel. +7(3845) 35-57-77, burakov.e@mail.ru
Chajka, 000	Lumbering	653047, Kemerovo obl., g. Prokopjevsk, ul. Obrucheva, 45, kv. 41	Tel. +7 (3846) 66-05-19
Derevyannije Tekhnologii, 000	Wooden house construction: houses from round log; frame wooden and carriage houses	654103, Kemerovo obl., g. Novokuznetsk, Pritomskoye shosse, 18	Tel.: +7 (3843) 20-30-11, (961) 706-99-95, ktc71@list.ru, www.drevtex.ru
D.T.M., 000	Woodworking: joinery, stairs, sash pulleys and doorsets	654033, Kemerovo obl., g. Novokuznetsk, ul. Estakadnaya, 3A	Tel. +7 (3843) 60-26-12, fax +7 (3843) 60-06-22, ooo-dtm@yandex.ru
Eco-Les, ZAO	Lumbering. Wood-sawing: saw timber	654034, Kemerovo obl., g. Novokuznetsk, ul. Lenina, 72	Tel.: +7 (3843) 37-73-63, +7 (905) 903-37-60, kuzbasseko@nvkz.net
Etalon, MK, 000	Furniture production: caseloads furniture	654080, Kemerovo obl., g. Novokuznetsk, ul. Pirogova, 17	Tel. +7 (3843) 79-86-50, mebelgid@mail.ru, www.mebel-nkz.ru
Exmebel, 000	Furniture production: caseloads and soft furniture	650055, Kemerovo, Kuznetsky pr., 85	Tel.: +7 (3842) 28-48-56, 21-17-38, 28-48-56, 28-73-89, eksmebel@mail.ru
Felizia, 000	Furniture production: caseloads furniture	654007, Kemerovo obl., g. Novokuznetsk, ul. Kirova, 31	Tel.: +7 (3843) 46-13-29, +7 (960) 909-70-93, abris97@mail.ru, www.studio-abris.ru
Forest LTB, 000	Wooden house construction: houses from glulam, and round log; frameworks, bathhouses. Wood-sawing: saw timber, moulded strips	650036, Kemerovo, ul. Tereshkovo, 64	Tel. +7 (3842) 31-48-56, fax +7 (3842) 31-34-13, forest-kemerovo@mail.ru, www.forest42.ru
GalaMaster, 000	Woodworking: doors, stairs, joinery. Furniture production: solid wood furniture	653004, Kemerovo obl., g. Prokopjevsk, ul. Lesnaya, 20	Tel. +7 (903) 985-17-26, nikolai1963kitay@yandex.ru

Name	Activity	Address	Contacts
Graal, 000	Wooden house construction: fabricated wooden houses	654004, Kemerovo obl., g. Novokuznetsk, ul. Lermontova, 6	Tel.: +7 (3843) 74-98-58, 74-95-01, graal_energo@rambler.ru, www.graal-energo.ru
Greenwood, 000	Wood-sawing: saw timber. Woodworking: glulam. Wooden house construction: round log	612085, Kemerovo obl., Leninsk-Kuznetsky rayon, pos. Mirniy, ul. Lesozavodskaya, 11	Tel.: +7 (8335) 46-35-17, 46-33-39, Fax +7 (8335) 46-33-09, greenwood-mirni@mail.ru
Grigorjev V.N., IP	Furniture production: caseloads furniture	653004, Kemerovo obl., g. Prokopjevsk, ul. Gagarina, 26A, office 1	Tel. +7 (3846) 62-48-44, v1n0g9@rambler.ru
Helper, 000	Wooden house construction: houses from timber, glulam, and round log; frameworks. Wood-sawing: saw timber	650024, Kemerovo, Kuznetsky pr., 15A	Tel.: +7(3842) 76-09-06, 76-30-45, helper-42@yandex.ru, www.stg-kemerovo.ru
Kemerovoles, 000	Lumbering. Wood-sawing: saw timber, moulded strips	650000, Kemerovo, pr. Lenina, 51Б	Tel.: +7 (3842) 58-05-41, 58-18-65, kemerovoles@citycom.su
Kemerovomebel, 000	Furniture production: caseloads furniture	650051, Kemerovo, ul. Kamyshevskaya, 3A	Tel.: +7 (3842) 28-72-33, 287233@mail.ru, mebel-sibiry@kemcity.ru, www.kuzmebel.ucoz.com
KMKS & Mebel KS, GK	Furniture production: caseloads furniture	650055, Kemerovo, pr. Kuznetsky, 85	Tel.: +7 (384-2) 45-23-28, +7 (903) 984-26-12 kemmehservis@yandex.ru
Konus, 000	Furniture production: caseloads furniture, soft furniture	650000 Kemerovo, pr. Kuznetsky, 10	Tel.: +7 (3842) 67-07-67, +7 (923) 500-25-50
Korvet, 000	Furniture production: caseloads furniture	654066, Kemerovo obl., g. Novokuznetsk, ul. Kirova, 102, office 207	Tel. +7 (3843) 60-92-84, spshakhvorost@yandex.ru
Kuzbasslesprom, PTK, 000	Wood-sawing: saw timber, moulded strips	650070, Kemerovo, ul. Tukhachevskogo, 47Б, kv. 309	Tel. +7 (3842) 31-78-79, kuzbasslesprom@mail.ru
Kurdyashev Mebel (Kurdyukov E.V., IP)	Furniture production: caseloads furniture	650000, Kemerovo, ul. Karbolitovskaya, 1/1, office 310	Tel.: +7 (3842) 33-66-53, (902) 755-96-67, kurdyashev@yandex.ru, kurdyashev-mebel.ru
Lesopilka, 000	Lumbering. Wood-sawing	650060, Kemerovo, pr. Lenina, 137A, office 332	Tel. +7 (923) 494-80-08 pihta@mail.ru
Lesservis, 000	Wood-sawing: saw timber, moulded strips. Bioenergy: wooden fuel briquettes. Woodworking: glulam. Wooden house construction: houses from glulam and combined beam	654032, Kemerovo obl., g. Novokuznetsk, Tekhnicheskyy proezd, 29	Tel.: +7 (3843) 36-05-48, 60-07-00, lesservis.nk@mail.ru, www.woodnsk.ru
Mebel-Group, 000	Furniture production: caseloads furniture	650036, Kemerovo, pr. Lenina, 89, office 201	Tel.: +7 (905) 906-32-39, +7 (961) 706-66-88, fax: +7 (3842) 56-13-35, 54-52-48, mebel-group@yandex.ru, www.mebel-group.ekuz.ru
WebelKom (Starostina N.S., IP)	Furniture production: caseloads furniture	650036, Kemerovo, ul. Dzerzhinskogo, 29A, office 2	Tel.: +7 (3842) 36-26-03; +7 (923) 615-81-13, 614-24-88, sns13@mail.ru, www.mebelkom.ekuz.ru
Mokin Mebel, MF (Mokina N.A., IP)	Furniture production: caseloads furniture	650055, Kemerovo, Kuznetsky pr., 85	Tel.: +7 (3842) 28-65-39, (903) 942-92-10, mokina.n@mail.ru, www.mokin-mebel.ru
Moya Mebel, 000	Furniture production: caseloads furniture	654005, Kemerovo obl., g. Novokuznetsk, pr. Metallurgov, 49	Tel. +7 (3843) 33-80-02, stroyinternk@list.ru
MPK, ZAO	Woodworking: plywood and chipboard	650000, Kemerovo, Kuznetsky pr., 15, office 301	Tel. +7 (909) 983-57-71, zaomtk@yandex.ru
Nova-Mebel, 000	Furniture production: caseloads and soft furniture	650036, Kemerovo, Promishlennyy proezd, 32	Tel.: +7 (3842) 31-35-16, 34-62-46, info@novamebel-kem.ru, www.novamebel-kem.ru
Novokuznetsky DOZ, OAO	Wood-sawing: saw timber, moulded strips	654005, Kemerovo Oblast, Novokuznetsk, ul. DOZ, 19/13	Tel.: +7 (3843) 60-94-35, 53-74-52 novodoz@yandex.ru, www.exsib.com
Novokuznetsky Fanerny Kombinat, 000	Woodworking: plywood	654010, Kemerovo obl., g. Novokuznetsk, pr. Stroiteley, 7	Tel./fax: +7 (3843) 45-17-31, nfk07@inbox.ru
Papa Carlo, 000	Furniture production: caseloads furniture	654034, Kemerovo obl., g. Novokuznetsk, ul. Lenina, 33	Tel. +7 (3843) 79-85-05, papakarlouk@mail.ru
Plastika, 000	Wood-sawing: saw timber. Wooden house construction: frameworks, frame wooden houses	652050, Kemerovo obl., g. Yugra, ul. Leningrdsкая, 46, office 6	Tel.: +7 (3845) 16-21-21, +7 (923) 521-21-82, plastika2011@yandex.ru, www.plastika.okis.ru

Name	Activity	Address	Contacts
PRODom (Borisov A.V., IP)	Furniture production: caseloads furniture. Wood-sawing: moulded strips	650025, Kemerovo, ul. Krasnoarmeyskaya, 120, office 206	Tel.: +7 (3842) 33-34-00, 75-20-02, pro-potolok@mail.ru, www.prodom42.info
Ravena (Semakhina N.V., IP)	Furniture production: caseloads furniture	650000, Kemerovo, Sovetsky pr., 17, office 5	Tel.: +7 (3842) 75-72-12, +7 (903) 946-09-87, ravena42@list.ru, www.ravena42.ru
Sfera-Mebel, 000	Furniture production: caseloads furniture, soft furniture	650099, Kemerovo, pr. Tukhachevskogo, 22A, office 203/4	Tel.: +7 (3842) 33-15-50, +7 (951) 223-44-01 narod.mebel@inbox.ru www.сферамебель.com
Shakh, 000	Furniture production: caseloads and soft furniture	650004, Kemerovo, ul. Sobornaya, 8, office 207	Tel.: +7 (3842) 39-40-99, +7 (901) 619-07-20, +7 (951) 597-78-86, domostil@mail.ru, www.domostil42.ru
SibVitrina, 000	Furniture production: caseloads furniture	650004, Kemerovo, ul. Sobornaya, 3	Tel.: +7 (3842) 34-57-62, 34-57-63 sibvitrina@bk.ru, www.сибвитрина.рф
SP-Mebel, 000	Furniture production: caseloads furniture	653000, Kemerovo obl., g. Prokopjevsk, pr. Lenina, 11	Tel.: +7 (3846) 69-53-46, +7 (951) 586-24-44, +7 (951) 609-99-50, +7 (904) 577-67-26, www.mebel-na-zakaz.net
SPK Edigarovikh	Lumbering	652120, Kemerovo obl., Izhmorsky rayon, pgt Izhmorsky, ul. Kommunisticheskaya, 92	Tel.: +7 (3845) 92-16-85, +7 (905) 900-47-52
SPSK-Les, 000	Wooden house construction: frame wooden houses	650024, Kemerovo, ul. Radischeva, 2/1 houses	Tel./fax +7 (3842) 38-65-04, spsk-les@yandex.ru, www.spsk-les.ru
ST, Group of companies, 000	Wooden house construction: houses from round log and glulam	650002, Kemerovo, pr. Shahterov, 56Б	Tel.: +7 (3842) 59-05-10, 46-62-21, Fax +7 (3842) 46-62-22, stkem@mail.ru, www.st-kem.ru
Stil Mebel, 000	Furniture production: soft furniture	653046, Kemerovo obl., g. Prokopjevsk, ul. Proektnaya, 110	Tel. +7 (3846) 68-20-83, stil.mebel@mail.ru, www.mebelprk.ru
Stolyarka, 000	Woodworking: doors, stairs. Furniture production: solid furniture	654034, Kemerovo obl., g. Novokuznetsk, ul. Zashitnaya, 28, korp. 3	Tel.: +7 (3843) 99-15-32, +7 (903) 946-01-38, klyathev@mail.ru
Stroy-Import, 000	Wooden house construction: houses from round log, bathhouses	654027, Kemerovo obl., g. Novokuznetsk, ul. Khitarova, 30	Tel./fax: +7 (3843) 39-09-03, +7 (913) 415-11-08, +7 (903) 940-00-75, com-terem@mail.ru, www.srubnk.ru
Tayozhny, 000	Wood-sawing: wood chips	652644, Kemerovo obl., Belovskyy rayon, pos. Inskoy, ul. Tekhnologicheskaya, 20	Tel. +7 (3845) 29-76-14, fax +7 (3845) 29-89-54, taiogniyi@rambler.ru
Veks-Master (Morozov V.V., IP)	Furniture production: caseloads furniture, kitchens	650000, Kemerovo, ul. Kirova, 14	Tel.: +7 (923) 613-45-16, (3842) 33-84-60, kuhni_kemerovo@mail.ru, www.veks-master.ekuz.ru
Vektor Plus (Bykobskiy A.V., IP)	Furniture production: caseloads furniture	650065, Kemerovo, Oktyabrskyy pr., 62	Tel.: +7 (3842) 33-66-77, 51-26-46, vektorplus73@mail.ru, www.vektorplus.ekuz.ru
Vlastelin Mebeli, 000	Furniture production: caseloads and soft furniture. Woodworking: furniture facades from MDF	653004, Kemerovo obl., g. Prokopjevsk, ul. Shishkina, 2	Tel./fax +7 (3846) 69-55-01, info-vlastelin@mail.ru, www.vlastelin-mebeli.ru
Vostok, 000	Wood-sawing: saw timber	613112, Kemerovo obl., Slobodskoy rayon, der. Stulovo, ul. Traktovaya, 58Б	Tel.: +7 (8336) 24-81-68, 25-20-40, voshod-les@mail.ru
Yashkinsky Leskhov, 000	Lumbering. Forestry	652011, Kemerovo obl., pgt Yashkino, ul. Lesovodov, 21	Tel. +7 (3845) 52-52-30, fax +7 (3845) 52-54-32, yashleshov@kemtel.ru
Zadorin S.V., IP	Lumbering. Wood-sawing: moulded strips	652449, Kemerovo obl., Krapivinskyy rayon, pos. Zelenogorsky, 83, kv. 50, PO Box 166	Tel. +7 (906) 983-13-72
Zodchiy, 000	Woodworking: sash pulleys, doorsets, stairs. Furniture production: solid wood furniture	654034, Kemerovo obl., g. Novokuznetsk, Tekhnicheskyy proezd, 29	Tel.: +7 (905) 967-73-24, +7 (960) 900-18-85, uly7900@yandex.ru
Zolotoy Kitat, 000	Lumbering. Wood-sawing: saw timber. Bioenergy: wooden pellets	652100, Kemerovo obl., Yajskyy rayon, r/p Yy, ul. Zhukovskogo, 1A	Tel. +7 (961) 703-51-42 Fax +7 (3845) 92-16-40

§ Taiga All Around

The Irkutsk Oblast is one of the largest forestry regions in Russia

The Irkutsk Oblast is located in the center of Siberia and is part of the Siberian Federal District of the Russian Federation. This is a region with a developed economy and rich natural resources.

Large-sale enterprises of the Irkutsk Oblast

Lesprom, OOO
Rusforest Ust-Ilimsk, OOO
Ust-Ilimsk Branch of Ilim Group
Ust-Ilimsk DOZ, OAO
Ust-Ilimsk LDK, OOO
Ust-Ilimsk Sawmill, OAO
Igirma LDK, ZAO
SEL-Tairiku, SP, OOO
Rusforest Magistralny, OOO
Bratsk Branch of Ilim Group
Ilim Bratsk Plywood Mill
Ilim Bratsk Sawmill, OOO
Uspekh, PKK, OOO
Chunsky LPK, OAO
TM Baikal, OOO
Fanerny Kombinat, OOO
Lesresurs, OOO
Madera, ZAO
Sibirskiy Terema, OOO
Trans-Siberian Timber Company, OOO
Baykalsk PPM, OAO



It borders the Krasnoyarsk Krai to the west, Yakutia to the northeast, the Zabaykalsky Krai to the east, Buryatia to the east and south, and Tuva to the southwest. The oblast is the fifth biggest in the country by area (774,800 km²), and the 21st biggest by population (2.4 million people).

The capital is the city of Irkutsk, with a population of 597,800 people. By railway, Irkutsk is 5,192 km from Moscow, and 4,106 km from Vladivostok. The oblast includes 33 municipal regions, nine city districts, 67 urban settlements, and 365 rural settlements. The majority of the population (79%) lives in urban areas.

GEOGRAPHY AND CLIMATE

The region is located in the southeast part of the Central Siberian Plateau. In the south it is surrounded by the ridges of the Eastern Sayan Mountains, and in the east by the Baikal mountains.

The main river is the Angara, which has a reservoir system built on it, with hydroelectric stations of a total capacity of 9.1 GWt. There are 229 lakes in the Irkutsk Oblast, and part of Lake Baikal is also located within the oblast.

For approximately six months (160-180 days), the temperature remains below zero. The winter is cold, and the summer is hot and dry in the first half, and rainy in the second.

RESOURCES

The Irkutsk Oblast is rich in minerals. Significant quantities are mined of such minerals as brown and black coal, iron ores, alluvial gold, rock salt, raw materials for cement and finishing, fire clays, glass-making and molding sands, plaster, gemstones and mineral building materials. The share of the mining complex in industrial production in the oblast is 11%. The structure of the cost of production from the mining complex is comprised of 47% gold, 28% coal and 18% iron ore.

In the future, one of the main industries of the mining complex of the Irkutsk Oblast may be industrial production of raw hydrocarbons. The total estimate of forecast recoverable reserves of hydrocarbons in the oblast is 2,050 million tons of oil, and 7.5 trillion m³ of gas.

TRANSPORT

The main transport route in the oblast is the Trans-Siberian railway. The length of railroads for general use is almost 2,500 km. The western section of the Baikal-Amur route passes across the region, from the town of Taishtet to the east.

The length of vehicular roads for general use with a hard surface is more than 12,400 km.



Around 10% of the total volume of cargo transport is accounted for by river transport. The navigable rivers are the Angara, Lena and Nizhnyaya Tunguska. The largest ports in the oblast, Kirensk and Osetrovo, are situated on the Lena. Through these ports, cargo is sent to Yakutia and to the northern sea port of Tiksi.

Air transport, including international air transport, is enabled by two airports located in Irkutsk and Bratsk.

ECONOMY

The Irkutsk Oblast has a highly developed industrial base. On a national scale, 6.5% of electricity, 15% of commercial timber, almost 20% of cellulose, more than 10% of cardboard, 6% of coal production, and around 9% of processed oil are produced in the oblast.

The industry of the region relies to a large extent on the rich mineral and raw material resources of the oblast. Main areas of specialization are the forestry, woodworking, pulp-and-paper, and mining industries, machine building, and non-ferrous and ferrous metallurgy.



FOREST RESERVES

The Irkutsk Oblast is one of the most heavily forested regions in Russia. Forests cover 83% of the territory of the Irkutsk Oblast, occupying an area of 64.4 million hectares.

The supply of forest resources has been assessed at 9.1 billion m³ (28.4% of the reserves of the Siberian Federal District, and 11.7% of nationwide reserves). The region is the third largest in the country in this category.

The percentage of particularly valuable coniferous species such as pine and cedar is significant, even on a global scale.

The composition of the forest territories of the oblast is: forest reserves (97.1%); defense and security land (0.62%); protected natural territories (2.17%); and urban forests (0.07%).

The calculated felling rate for accessible and usable forests in the oblast is 56.2 million m³.

The area of mature and over-mature forests made up of the main forest species is 24.65 million hectares, or 43% of the lands covered with the

Species composition of forests in the Irkutsk Oblast (data from the Irkutsk Oblast forestry agency)

Predominant tree and shrub species	Area, thou. hectares		Supply, mln. m³		Supply per 1 hectares, m³	
	All forests	Mature and over-mature forests	All forests	Mature and over-mature forests	All forests	Mature and over-mature
1. Main forest species						
Coniferous						
Pine	15,465.9	6,169.0	2,605.01	1,490.47	168	242
Spruce	3,246.7	1,847.1	459.00	329.52	141	178
Fir	1,650.5	935.6	313.08	215.74	190	231
Larch	18,403.4	10,627.0	2,536.97	1,857.37	138	175
Cedar	6,930.1	1,225.9	1,611.98	334.63	233	273
Total coniferous	45,696.6	20,804.6	7,526.04	4,227.73	165	203
Soft-wooded						
Birch	9,262.5	2,722.9	792.57	427.96	86	157
Aspen	2,825.0	1,113.6	358.72	269.87	127	242
Speckled alder	0.1	0.0	0.00	0.00	0	0
Poplar	2.9	2.6	0.55	0.52	190	200
Willow trees	17.3	1.7	0.74	0.17	43	100
Total soft-wooded	12,107.8	3,840.8	1,152.58	698.52	95	182
Total for 1st section	57,804.4	24,645.4	8,678.62	4,926.25	150	200
2. Other tree species						
Other tree species	0.9	0.7	0.12	0.11	133	157
Total of others	0.9	0.7	0.12	0.11	133	157
3. Shrubs						
Birch shrubs	1,618.6	455.0	14.30	5.26	9	12
Willow shrubs	7.9	6.1	0.10	0.07	13	11
Dwarf pine	3,340.3	564.9	113.38	18.81	34	33
Total shrubs	4,966.8	1,026.0	127.78	24.14	26	24
Total	62,772.1	25,672.1	8,806.52	4,950.50	140	193

main forest species. These are: pine forests (25%); cedar forests (5%); larch forests (43%); spruce forests (7%); fir forests (4%); birch forests (11%); and aspen and poplar forests (5%). Forests with a predominance of coniferous species account for 84% of the area of mature and over-mature trees.

Pine, the main coniferous tree in the Irkutsk Oblast in use in the forestry industry, occupies 15.5 million hectares, only slightly smaller in area than forests with a predominance of larch. Pine forests in the oblast make up 13.5% of the total area of pine forests in Russia.

The largest areas of pine forests are concentrated in the Angara basin, in the southern part of the Central Siberian Plateau.

Larch forests predominate in the northern regions of the oblast. But because of the poor development of transport routes in regions where larch trees grow, and the special nature of working with this wood, these forests are not made active use of in the region.

Cedar forests are located in mountainous areas. Cedar forests in the Irkutsk Oblast account for around 18% of the total area of cedar forest in the country, and are second to the cedar forests of the Krasnoyarsk Krai in area. Owing to the special value of cedar forests, industrial logging is not carried out in them.

The largest supplies of mature timber are concentrated in the Ust-Ilimsky, Chunsky, Kirensky, Bratsky, Ust-Kutsky, Nizneilimsky and Kazachinsko-Lensky regions of the oblast. The poorest timber region is the Nukutsky region, where forest cover is 24.1%. The richest region is the Ust-Kutsky (95.9%).

Timber resources of mature and over-mature trees in the oblast in general for the main forest species come to 4,951 million m³, of which 30% is valuable pine forest which is in great demand among forest operators. However, it should be noted that forest areas that are suitable for felling are situated very unevenly around the oblast. In the

places of traditional felling by the Trans-Siberian railway, and around the Bratsk reservoir, the forest raw material resources have been exhausted. At the same time, in the northern and eastern regions of the oblast, forest use is insufficiently developed, and mature and over-mature trees dominate there.

THE FORESTRY COMPLEX

The unique raw material resources of the Irkutsk Oblast form the basis of a developed forestry complex. A powerful forestry complex of federal importance has been created, and around 10% of all timber felled in the country is felled here, and 8% of sawn wood materials, 10% of cardboard and 27% of cellulose is manufactured. The combination of rich raw material resources and large rivers, along with electricity rates that are low compared with those in other regions, creates favorable conditions for the chemical processing of timber, including the manufacture of cellulose.



Yevgeniya CHABAK

The regional government devotes great attention to developing the forestry complex of the Irkutsk Oblast. A concept for the development of the Irkutsk Oblast forestry complex has been drawn up, according to which the strategic vector of development for the industry is expanding the high-level chemical processing of timber, using smallwood, low-quality and soft-wood timber, and obtaining a highly profitable product. One of the compulsory conditions for justifying an increase in volumes of felling and hauling timber is that they fully meet the requirements for inexhaustible and permanent forest use, and protection of the environment.

According to the first deputy minister for the Irkutsk Oblast forestry complex, Denis Safonov, emphasis in developing the complex of the region should be placed on creating more high-tech plants than exist at present. The results of recent years show how successfully this task is being undertaken: the export of round wood is dropping, while processing of it within the region is increasing. However, the figure for the absorption of the calculated felling rate remains at a rather low level – just 36%.

Among the measures to be taken to stimulate the development of wood processing, the government of the Irkutsk Oblast intends to introduce the practice of infra-structure preparation of production sites for woodworking enterprises, funded by federal, oblast and local budgets.

From the federal authorities, support for the development of the forestry complex is carried out in accordance with the Russian Government decree # 419: “On priority investment projects in the field of forest development”. The main point of the decree is that investment projects in the sphere of forest development, on the condition that they meet a number of strict requirements, receive considerable preferential advantages from the state, including a state guarantee for leasing forest areas under privileged conditions during the project payback period. In the Irkutsk Oblast today, six priority investment projects are being realized at present.

Irkutsk Oblast government authorities responsible for timber industry regulation

Governor Yeroshenko Sergey Vladimirovich
Russian Federation, 664027, Irkutsk,
ul. Lenina, 1A
Tel. +7 (3952) 20-06-00
Fax +7 (3952) 24-17-73
narod@govirk.ru
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Ministry of industrial policy and forestry complex of the Irkutsk Oblast
Minister Gordeev Vladimir Nikolaevich
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Irkutsk, ul. Gor’kogo, 31
Tel./fax +7 (3952) 20-06-61
promles@govirk.ru, promles.irkobl.ru

Ministry of natural recourses and ecology of the Irkutsk Oblast
Minister Kravchuk Oleg Eduardovich
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Tel./fax +7 (3952) 20-05-63
mail@govirk.ru, www.ecology.irkobl.ru

Enterprises of the forestry industry of the Irkutsk Oblast

Name	Activity	Address	Contacts
Alvud, 000	Woodworking: glued timber. Wooden house construction: houses from glued timber.	664009, Irkutsk, ul. Bajkalskaya, 236, office 408	Tel.: +7 (3952) 75-88-50, (902) 511-88-50, zhilkin.sergey@yandex.ru, www.alvud.com
Angara Plus (Kaschishin V.V., IP)	Wood-sawing: moulded strips	665708, Bratsk, ul. Kirova, 27	Tel.: +7 (3953) 45-30-40, 45-20-05, 45-30-03, les@angara-plus.ru, www.angara-plus.ru
Angarsky Leskhoz, 000	Lumbering. Wood-sawing: saw timber	664518, Irkutsky rayon, pos. Bolshaya Rechka, ul. Oktyabrskaya, 18	Tel.: +7 (3952) 69-52-10, 69-52-28, anles@irmail.ru
Azbuka Remonta, SK, 000	Wooden house construction: houses from round log, log-houses. Furniture production: solid wood furniture, kitchens. Woodworking: stairs, and doors	664000, Irkutsk, ul. Rozi Luxemburg, 202	Tel.: +7 (3952) 60-49-00, 97-66-88, fax +7 (3952) 55-38-80, uds2006@inbox.ru, www.stroyvlad.ru
Badenko V.V., IP	Furniture production: casegoods and soft furniture	665000, Irkutsk ul. Barrikad, 60C, Pav. 101	Tel.: +7 (3952) 74-17-81, 60-70-35, www.mebellioner.irk.ru

Name	Activity	Address	Contacts
Baikal Forest, 000	Lumbering. Wood-sawing: saw timber, moulded strips. Woodworking: MDF	665350, Irkutskaya obl., Zima city, Ul. Mira, 5	Tel.: +7 (3955) 43-30-27, 43-11-92, +7 (950) 088-38-88, lps38@yandex.ru
Baykalsk PPM, OAO	Pulp-and-Paper: cellulose, corrugated and package paper	665932, Irkutskaya obl., Slyudyansky rayon, Baykalsk city, promploschadka, center	Tel. +7 (3954) 26-12-40, fax +7 (3954) 26-11-03, 26-11-01, bcbk@bcbk.ru, www.bcbk.ru
Biryukov A.V., IP	Lumbering	664043, Irkutsk, ul. Yelanskaya, 23	Tel. +7 (902) 510-09-73, alexey_ip@mail.ru
Bratsk Branch of Ilim Group	Lumbering. Pulp-and-Paper: cellulose. Dendrochemistry	665718, Irkutskaya obl., promploschadka LPK, PO Box 467	Tel.: +7 (3953) 34-01-06, 34-03-20, fax: +7 (3953) 34-03-30, 34-04-48, office@brk.ilimgroup.ru, www.ilimgroup.ru
Chunales, 000	Lumbering. Wood-sawing: saw timber	665514, Irkutskaya obl., Chunsky rayon, pos. Chunsky, mikrorayon Severny	Tel.: +7 (3956) 72-04-16, 72-01-93, chunales@irmail.ru
Chunsky LPK, OAO	Lumbering. Wood-sawing: saw timber	665513, Irkutskaya obl., Chunsky rayon, pos. Chunsky, ul. Frunse, 15	Tel.: +7 (3956) 72-19-44, 72-19-04, lpk@irmail.ru
DeKom, 000	Wood-sawing: saw timber, moulded strips	665716, Irkutskaya obl., Bratsk, promploschadka BrAZ-BLPK, rayon 23 razjezda	Tel./fax: +7 (3953) 49-51-24, 48-23-83, info@siblesco.ru, www.siblesco.ru
Exportles, 000	Wood-sawing: moulded strips. Woodworking: joinery	665717, Irkutskaya obl., Bratsk-17, PO Box 2902	Tel.: +7 (3953) 28-97-97, 27-60-70, 26-58-59, info@exp-les.ru, www.exp-les.ru
Fanerny Kombinat, 000	Woodworking: plywood, chipboard	665451, Irkutskaya obl., Usolje-Sibirskoye, ul. Molotovaya, 103	Tel.: +7 (3954) 37-23-84, 36-23-40, 37-22-35, 37-24-55,
Global Resurs, 000	Wood-sawing: saw timber	664000, Irkutsk, ul. Chekhova, 20	Tel.+7 (950) 055-52-52,
Igirma LDK, ZAO (part of Russian Timber Group, 000)	Wood-sawing: saw timber	665684, Irkutskaya obl., Nizhneilimsky rayon, pos. Novaya Igirma, ul. Vostochnaya Magistral, 2	Tel./fax +7 (3956) 66-35-17
Ilim Bratsk Sawmill, 000 (part of Ilim Timber)	Wood-sawing: softwood saw timber, pulpchip. Lumbering. Pulp-and-paper: cellulose, container board. Dendrochemistry	665718, Irkutskaya obl., Bratsk, promploschadka BLPK	Tel.: +7 (3953) 49-66-99, 34-03-20, 34-01-06, fax: +7 (3953) 49-66-04, 34-04-48, dok-priem@ibdok.ilimtimber.com, office@brk.ilimgroup.ru, www.ilimtimber.com
Ilim Bratsk Plywood Mill, (part of Ilim Timber)	Woodworking: plywood and fiberboard	665718, Irkutskaya obl., Bratsk, promploschadka BLPK	Tel. +7 (3953) 49-66-99, fax +7 (3953) 49-66-04, dok-priem@ibdok.ilimtimber.com, www.ilimtimber.com
Ilim-Stroy, 000	Wood-sawing: moulded strips	665653, Irkutskaya obl., Zheleznogorsk-Ilimsky, ul. Lazo, 21	Tel. +7 (964) 751-00-00, info@ilim-stroy.ru, www.ilim-stroy.ru
Ivushka, 000	Furniture production: soft furniture	665451, Irkutskaya obl., Usolje-Sibirskoye, ul. Molotovaya, 123 A	Tel. +7 (3954) 37-25-37, tel./fax +7 (3954) 37-25-05, secretar@ivushka.biz, www.ivushka-mebel.ru
Jasen, 000	Wood-sawing: saw timber	666685, Ust-Ilimsk-15, PO Box 1538	Tel.: +7 (3953) 59-33-96, 59-35-10, rasgonyaev@mail.ru
Kachugsky Leskhoz, OGU	Lumbering	666203, Irkutskaya obl., Kachugsky rayon, pos. Kachug, ul. Morozova, 1	Tel.: +7 (3954) 03-12-21, 03-15-62
Kaimonovsky Lespromkhoz, 000	Lumbering	666771, Irkutskaya obl., Ust-Kutsky rayon, pos. Ruchey, ul. Traktovaya, 10	Tel.: +7 (3956) 57-11-84, 57-11-85, ump2@mail.ru
Kirenskles, ZAO	Lumbering	666504, Irkutskaya obl., Kazachinsko-Leninsky rayon, pos. Magistralny, PO Box 5A	Tel.: +7 (3956) 24-17-69, 24-19-55, kirensklesmag@mail.ru
Kleshkov I.A., IP	Wood-sawing: saw timber, moulded strips	665106, Irkutskaya obl., Nizhneudinsk, ul. Krzhizhanovskogo, 31/31	Tel. +7 (902) 175-99-07, i-225@yandex.ru
Kontur, 000	Lumbering. Wood-sawing: saw timber	664000, Irkutsk, ul. Dalnevostochnaya, 1	Tel. +7 (3952) 79-92-65, kontur.irk@gmail.com, www.kontur.wood.ru
Kupets A-G Trade, 000	Lumbering. Wood-sawing: saw timber	664007, Irkutsk, ul. Dekabrskih Sobitiy, 29	Tel. +7 (902) 761-66-96, taiga001@yandex.ru
Lesprom, 000 (former Ruslesprom, 000)	Wood-sawing: saw timber, moulded strips, planed products	666685, Irkutskaya obl., Ust-Ilimsk-15, PO Box 1533	Tel. +7 (3953) 59-81-00, fax +7 (3953) 59-81-01, inbox@ruslesprom.ru, www.ruslesprom.ru
Lesresurs, 000	Lumbering. Wood-sawing: saw timber, moulded strips, wood chips	664050, Irkutsk, ul. Bajkalskaya, 293/7, office 601	Tel. +7 (3952) 78-09-22, fax: +7 (3952) 70-80-92, 78-09-21, post@lesresurs.com, www.lesresurs.com
Madera, ZAO	Wood-sawing: saw timber, moulded strips	664014, Irkutsk, ul. Polyarnaya, 201, lit. A, PO Box 78	Tel./fax +7 (3952) 43-87-25, madera@dako.irk.ru, www.madera-msk.ru
Mamaev E.A., PBOUL	Wood-sawing: saw timber	666679, Irkutskaya obl., Ust-Ilimsk, ul. Mechtateley, 8, kv. 22	Tel.: +7 (3953) 55-71-39, 55-68-00, mea_ui@irmail.ru

Name	Activity	Address	Contacts
Meridian, 000	Wood-sawing: moulded strips	665806, Irkutskaya obl., Angarsk, PO Box 5932	Tel. +7 (3955) 57-38-26, fax +7 (3955) 57-20-14, kanat60@mail.ru, www.meridian-angarsk.ru
Mescheryakov D.G., IP	Wood-sawing: saw timber	666679, Irkutskaya obl., Ust-Ilimsk, ul. Mira, 13, kv. 16	Tel. +7 (3953) 55-96-77, mdgttools@mail.ru
Niksvik, PKP, 000	Lumbering. Wood-sawing: saw timber	666679, Irkutskaya obl., Ust-Ilimsk, PO Box 1525	Tel. +7 (3953) 57-57-81, tel./fax +7 (3953) 57-56-27, info@niksvik.ru, www.niksvik.ru
Pavlov E.N., IP	Wood-sawing: saw timber	669128, Irkutskaya obl., Bayandaevsky rayon, s. Nagalyk, ul. Podgornaya, 10	Tel. +7 (914) 906-99-63
Rosenergotrans, ZAO	Woodworking: timber sleepers, beam	664007, Irkutsk, PO Box 186	Tel. +7 (3952) 53-64-67, fax +7 (3952) 53-64-68, ret@zaoret.ru, www.zaoret.ru
Royal Wood, OAO	Wood-sawing: saw timber, moulded strips. Bioenergy: wooden fuel briquettes	664025, Irkutsk, ul. Marata, 28, office 28	Tel.: +7 (3952) 20-08-67, 20-00-31, 20-00-29, info@sibrw.ru, www.sibrw.ru
Rusforest Magistralny, 000	Wood-sawing: saw timber	666505, Irkutskaya obl., Kazachinsko-Lensky rayon, pos. Magistralny, ul. 17 Sjezda VLKSM, 16	Tel.: +7 (3956) 24-17-34, 24-16-39, 24-10-88, rusforest_mag@mail.ru
Rusforest Ust-Ilimsk, 000	Lumbering. Wood-sawing: saw timber	666684, Irkutskaya obl., Ust-Ilimsk-14, PO Box 352	Tel. +7 (3953) 59-34-06, uil-rusforest@rusforest.com, www.rusforest.com
Russky Comfort, 000	Furniture production: casegoods furniture	664049, Irkutskaya obl., Bratsk, ul. Yuzhnaya, 8, str.3	Tel. +7 (3953) 26-20-77, rusco@eml.ru, www.rusco.pro
SEL-Tairiku, SP. 000 (part of Russian Timber Group, 000)	Wood-sawing: saw timber	665684, Irkutskaya obl., Nizhneilimsky rayon, pos. Novaya Igirma, ul. Vostochnaya Magistral, 2	Tel.: +7 (3956) 66-32-59, ext. 505, +7 (3952) 72-24-25, 70-49-70, post@ldk-igirma.ru, www.sel-trade.ru
Severny Les, 000	Wood-sawing: saw timber, moulded strips	666685, Irkutskaya obl., Ust-Ilimsk, ul. Ryabinovaya, 41	Tel. +7 (3953) 59-38-04, sevles2004@bk.ru
Sibirskiye Terema, 000	Wooden house construction: houses from glued timber. Wood-sawing: moulded strips	666034, Irkutskaya obl., Shelekhov, pr. Stroiteley i Montazhnikov, 15	Tel.: +7 (3952) 48-00-58, (3955) 06-17-74, fax +7 (3952) 48-00-54, market@sibterema.ru, www.sibterema.ru
Sibwood, 000	Wood-sawing: saw timber. Wooden house construction: log houses. Woodworking: joinery	664009, Irkutsk, ul. Pervaya Sovetskaya, 109, office 202	Tel./fax: +7 (3952) 27-21-83, 70-20-55, sibwood@mail.ru, www.sibwood-irkutsk.ru
Sky, 000	Wood-sawing: saw timber. Wooden house construction: houses from shaped timber and round log	665724, Irkutskaya obl., Bratsk, ul. Krupskoy, 42, lit. A	Tel. +7 (3953) 26-89-99, info@sky38.ru, www.sky38.ru
Svarog, 000	Wood-sawing: saw timber. Wooden house construction: houses from round log	664540, Irkutsk, ul. Michurina, 13	Tel.: +7 (3952) 72-45-10, +7 (902) 171-43-68, svarog_irk77@mail.ru, www.svarog-irk.ru
Tais, DOK, ZAO	Wood-sawing: moulded strips. Furniture production: solid wood furniture. Woodworking: joinery	665825, Irkutskaya obl., Angarsk, ul. Zhadnova, 2, PO Box 5002	Tel.: +7 (3955) 53-80-00, 53-80-01, fax +7 (3955) 53-59-95, tais@irmail.ru, www.taiswood.ru
Tayura Sibles, 000	Lumbering. Wood-sawing: saw timber	666784, Irkutskaya obl., Ust-Kut, ul. Kirova, 41	Tel. +7 (3956) 56-03-43, furn@inbox.ru
TM Baikal, 000	Wood-sawing: saw timber	665420, Irkutskaya obl., Svirsk, ul. Profsoyuznaya, 1	Tel. +7 (3957) 32-10-95, fax +7 (3957) 32-18-03, ikovalev@tmbaikal.ru, www.tmbaikal.com
Trans-Siberian Timber Company, 000	Lumbering. Wood-sawing: saw timber	664011, Irkutsk, ul. Rabochaya, 2A, office 411	Tel.: +7 (3952) 78-01-26, 78-01-25, office@tslk.ru
Uspekh, PKK, 000	Wood-sawing: moulded strips. Woodworking: sash pulleys and doorsets	665703, Irkutskaya obl., Bratsky rayon, pos. Hidrostroitel, terr. Sibteplomash, PO Box 62	Tel.: +7 (3953) 31-15-65, 44-08-00, pkkuspex@gmail.com, www.brmp.ru
Ust-Ilimsk Branch of Ilim Group	Lumbering. Pulp-and-Paper: cellulose. Dendrochemistry	666684, Irkutskaya obl., Ust-Ilimsk-14, promploschadka LPK, PO Box 353	Tel. +7 (3953) 59-22-66, fax +7 (3953) 57-15-05, office@brk.ilimgroup.ru, www.ilimgroup.ru
Ust-Ilimsk DOZ, OAO	Woodworking: chipboard, laminated chipboard	666684, Irkutskaya obl., Ust-Ilimsk-14, PO Box 323	Tel. +7 (3953) 59-54-44, fax +7 (3953) 59-54-96, inf@uidz.ru, www.uidz.ru
Ust-Ilimsk LDK, 000	Wood-sawing: saw timber	666682, Irkutskaya obl., Ust-Ilimsk, PO Box 2687	Tel.: +7 (3953) 55-11-00, 55-86-48, fax +7 (3953) 55-89-44, vtk-2010@mail.ru
Ust-Ilimsk Sawmill, OAO (part of Ilim Timber)	Wood-sawing: saw timber	666684, Irkutskaya obl., promploschadka LPK	Tel./fax +7 (3953) 59-25-40, taiga-office@ldz.ilim.ru, www.ilimtimber.com

In the Center of the Urals

The foundation of the economy of the Sverdlovsk Oblast is the mining and metallurgical industry

The Sverdlovsk Oblast is a major region in the Urals, with an area of 194,300 km². The territory stretches from around 560 km from west to east, and around 660 km from north to south. The population is 4.3 million, of whom 80% live in cities.

Yekaterinburg is the administrative centre of the Sverdlovsk Oblast, and it has a population of 1.4 million, making it the fourth largest city in Russia by population. The distance from Yekaterinburg to Moscow is 1,667 km.

GEOGRAPHY AND CLIMATE

The region is located at the meeting point of Europe and Asia, in the Urals mountain range, in the North and Middle Urals. It is also part of the Eastern European and West Siberian plains. Its highest point is 1,569 m above sea level.

The climate is continental, and the temperature in January ranges from -16 to -20 C°, and in July it ranges from +16 to +19 C°, with an annual precipitation of around 500 mm.

RESOURCES

One of the oldest mining regions in Russia, the Sverdlovsk Oblast is among the most explored mineral resource-rich regions in the country. Forecast resources of various minerals are also among the strongest in Russia. The region provides a significant amount of Russia's production of vanadium, bauxite, chrysotile asbestos, iron ores and fireproof clays. There are considerable supplies of nickel ores, precious metals, mining and chemical raw materials, non-ore raw materials for metallurgy, raw gemstones, mineral and fresh underground waters, and practically unlimited supplies of building materials. There are fields of hard and brown coals, chromite and manganese, and certain prospects for discovering oil and gas fields. There are a total of around 1,700 fields of minerals on the territory of the oblast, of which around 200 are being developed.



TRANSPORT

The oblast is one of the largest transport hubs in Russia, with railways, roads and air routes of national importance pass through it. The length of railway lines in general use is 3,600 km, plus 4,600 km of local railways for industrial enterprises. The Sverdlovsk railroad is one of the three largest lines in Russia by volume of freight and passenger transportation.

The total length of vehicular road density is more than 11,000 km.

The largest airport in the oblast, Koltsovo in Yekaterinburg, is an international airport, and there are another seven airports in the region serving domestic routes.

ECONOMY

The Sverdlovsk Oblast is situated at the crossing point of transcontinental flows of raw materials and goods, as well as financial, labour and information resources. These, together with

its rich natural resources, enable the oblast's continuing dynamic development.

The oblast's industrial system is dominated by enterprises for ferrous and non-ferrous metallurgy, and machine building, as well as companies working on the enrichment of uranium and iron ore. The machine-building industry is focused on the manufacture of military technology and equipment for the mining, energy and chemical industries.

FOREST RESOURCE

The total area of the forest resource in the region is more than 15 million hectares, and 83% is covered with forest. The main species are pine, fir, birch and aspen. Coniferous forests occupy 57% of forested lands (including 34% pine and 16% fir), and hardwood 43% (including 36% birch and 7% aspen). In terms of timber resources, coniferous species also predominate, accounting for 61%.

The calculated yield is 23.129 million m³. The actual extent of the annual use of the forest

Large-scale forestry enterprises of the Sverdlovsk Oblast

- Novolyalinsky PPM, TD, OOO
- Argus SFK, ZAO
- Tavdinsky Plywood Plant, OOO
- Turinsky TsBZ, ZAOR
- Ekoles, OOO
- Fankom, ZAO
- Ural-Siberian Investments, OOO
- Alapaevsky Plant of Wooden Boards, ZAO
- SKM-Mebel, GK
- Ural Paper, ZAO
- Sverdles PO, ZAO
- Urallsprom, GK
- Ural Timber-Processing Company, OOO





resource in the oblast is 31% of the permitted volume for felling.

The majority of the oblast is covered with forests, which makes it possible to maintain ecological stability of the climate, a hydro-geological system, and preservation of flora and fauna. At the same time, a number of natural factors reduces the possibility of maintaining the ecological balance. These factors include a low level of water supply on the territory, a lack of major river systems, frequent droughts, numerous arid soil areas, the high irregularity of the relief in the foothills, which causes soil erosion, and the unusual air interchange system, which causes smog to appear in the atmosphere.

As in many other Russian regions, forest management in the Sverdlovsk Oblast has not been carried out for a very long time. Only 18% of the forest resource in the region has experienced management in the last 10 years. The problem is that Russian regions are obliged to carry out forest management work at their own expense, but the necessary funds are not provided for in oblast budgets. Outdated data on the state of the forest resource are often the main obstacle for developing the forestry complex of the region.

Another widespread problem is the lack of developed transport infra-structure of logging roads. Given the geographical features of the Sverdlovsk Oblast (the large distance from north to south, the different reliefs, the rough terrain), this

makes logging very seasonal in nature. Felling and transportation of timber is mainly carried out in the winter period, which requires the concentration of considerable material and financial resources. At the same time, the bulk of logging is carried out in exploited forests, near existing transport routes and general use roads. The inaccessible forest regions in the northern regions of the Sverdlovsk Oblast remain undeveloped.

FORESTRY COMPLEX

The distance of the Sverdlovsk Oblast from export markets in Europe and the Middle East forces the regional forestry industry to focus on the Russian consumer, and also to expand markets in Asian countries in the CIS (Commonwealth of Independent States).

Forestry complex enterprises (there were 472 of them at the beginning of this year) operate in practically every municipal formation of the Sverdlovsk Oblast. In many inhabited settlements they are socially significant and one of the chief employers. Resolving not only the economic problems but also the social and ecological problems of these small and remote settlements depends on the work of these enterprises.

In timber resources terms, the Sverdlovsk Oblast is the 16th biggest in Russia. Percentages of the forestry complex of the region on a national scale areas follows: logging – 3.3% (11th place); and for the manufacture of: sawn materials – 4.7% (6th place), plywood – 7.8% (3rd place), fiberboard – 3.2% (13th place), and chipboard – 2.4% (15th place). The percentage of production accounted for by forestry complex enterprises in the total volume of production accounted for by processing industries of the Sverdlovsk Oblast is 1.4%.

The structure of forestry complex enterprises revolves around four major processing centers with more than 500 employees: Fankom, the Tavdinsky plywood and board plant, the Turinsky pulp-and-paper factory, and the Novolyalinsky pulp-and-

paper complex. Medium companies employing from 100 to 500 people mainly manufacture sawn materials, laminated panels and structures, and are involved in industrial-scale wooden housebuilding. Small companies employing less than 100 people are focused on logging, lumber sawing, carpentry production, manufacture of charcoal and individual house building.

The main export items export are sawn materials (45.6% of the total volume of export of the timber production in the region) and plywood (38,3%). The main export market for sawn materials for enterprises in the Sverdlovsk forestry complex is Central Asia, primarily Azerbaijan, Uzbekistan, Kazakhstan and Turkmenistan. Serious competition for Sverdlovsk forestry industry workers is provided by companies from China. For the export of plywood the main foreign trade partners of the region are companies from the USA, Egypt, Turkey and Germany.

Investment activity in the forestry complex of the region is rather low. In 2012, the volume of investment of primary capital in the forestry complex totaled more than 375 million rubles. This money is insufficient to update the production base of the industry. Sources of investment are primarily companies’ own funds, and for realization of priority investment projects funds from the federal budget.

The mechanism of priority investment projects that was registered in the Decree of the Government of the Russian Federation of June 30, 2007, # 419 (“On priority investment projects in developing forests”) is used quite actively in the oblast. From the Sverdlovsk Oblast there are three projects that have been included in the list of priority investment projects in developing forests by the Russian Ministry of Industry and Trade, with a total volume of investments of 2.415 billion rubles, with the volume of annually processed wood resources covering 1.65 million m³.

Yevgenia CHABAK

Enterprises of the forestry industry of the Sverdlovsk Oblast

Name	Activity	Address	Contacts
Adonis, 000	Furniture production: caseloads furniture	624980, Sverdlovsk obl., Serov, ul. Kuzmina, 16	Tel.: +7 (343) 854-53-43, +7 (908) 631-35-35, and6313535@yandex.ru
Akzent-Kupe, 000	Furniture production: caseloads furniture	620017, Yekaterinburg, ul. Frontovikh Brigad, 27, office 308	Tel. +7 (963) 274-47-35, alterna.vostok@mail.ru
Alapaevsky Plant of Wooden Boards, ZAO	Woodworking: laminated chipboard	624600, Sverdlovsk obl., Alapaevsk, ul. Lizy Chajkinoj, 6	Tel. +7 (343) 463-31-57, plpk@mail.ru
Alis, 000	Wooden house construction. Wood-sawing: saw timber, timber	620014, Yekaterinburg, ul. Lenina, 20, office 1	Tel. +7 (922) 222-07-77, dom@alis-tdd.ru, www.alis-tdd.ru
Allant, MF	Furniture production: soft furniture	620028, Yekaterinburg, ul. VIZ Bulvar, 13, office 508	Tel.: +7 (343) 263-27-69, 263-28-52, mebel@allant.ru, www.allant.ru
Alterna, MF, 000	Furniture production: caseloads furniture	620026, Yekaterinburg, ul. Belinskogo, 55, office 403/3	Tel. +7 (343) 216-38-70, exfer@ural.ru, www.exfer.ru
Amstroj, 000	Wooden house construction: houses from shaped timber	623700, Sverdlovsk obl., Bereзовskiy, ul. Isakova, 1	Tel. +7 (343) 290-39-07, amstrij@rambler.ru, www.amstroj.com
Ankom, 000 (Filatov, TM)	Furniture production: soft furniture	624000, Sverdlovsk obl., Artjomovskiy, per. Polyarnikov, 1	Tel. +7 (343) 632-72-50, fax +7 (343) 632-75-24, antony-aas@mail.ru, www.filatoff-mebel.ru
Argus SFK, ZAO	Wood-sawing: saw timber Woodworking: plywood, and joinery	624975, Sverdlovsk obl., pos. Vostochniy, ul. Zavodskaya, 1	Tel. +7 (343) 854-77-82, fax +7 (343) 634-77-53, commerce@argus-sfk.ru, www.argus-holding.ru
ASM Elegant, MF	Furniture production: soft furniture	620103, Yekaterinburg, ul. Okruzhnaya, 3	Tel. +7 (904) 541-08-34, www.asm-elegant.ru
ASM-Klassik, 000	Furniture production: soft furniture	620103, Yekaterinburg, ul. Okruzhnaya, 88A	Tel.: +7 (343) 256-83-03, 256-83-04, 256-82-57, info@gkasm.ru, www.gkasm.ru
Atria, 000	Furniture production: furniture from solid wood	620910, Yekaterinburg, ul. Sputnikov, d.8, kv. 7	Tel.: +7 (912) 665-25-47, klimova-u@yandex.ru
Baltymsky Wood-Sawing Plant, 000	Wood-sawing: moulded strips. Woodworking: doors, and windows	624086, Sverdlovsk obl., Verkhnyaya Pyshma, pos. Krasniy, ul. Artilleristov, 90	Tel.: +7 (343) 686-12-87, 378-97-76, info@baltymforest.ru, www.baltymforest.ru
Berkana (Nazovitsyna N.V., IP)	Woodworking: sash pulleys, doorsets, stairs, and summer houses	620017, Yekaterinburg, ul. Starykh Bolshhevikov, 2A	Tel. +7 (904) 174-74-73, v047080@olimpus.ru, www.berkanaekb.ru
Color Furniture, 000	Furniture production: caseloads furniture. Woodworking: kitchen facades	620024, Yekaterinburg, ul. Bisertsкая, 132	Tel. +7 (343) 344-35-06, cvet-mebeli@bk.ru, www.color-f.ru
DeloLes, 000	Wood-sawing: saw timber, and moulded strips	620049, Yekaterinburg, PO Box 8	Tel. +7 (343) 361-14-62, fax +7 (343) 385-20-31, zakaz@deloles.ru, www.deloles.ru
Derevyanniye Doma, 000	Wood-sawing: saw timber, and moulded strips. Wooden house construction: houses from round log	620088, Yekaterinburg, Bulvar Kultury, 32, office 6	Tel.: +7 (343) 360-47-01, +7 (912) 666-45-55, derevodom@bk.ru, www.derevodom.org
EkoLes, 000	Lumbering. Wood-sawing: saw timber	624315, Sverdlovsk obl., Kushva, pos. Baranchinsky, ul. Soyuzov, 1	Tel.: +7 (343) 445-39-69, 445-25-00, ekoles66@mail.ru
Elfis, MF, 000	Furniture production: caseloads furniture, and furniture from solid wood	620010, Yekaterinburg, ul. Truzhennikov, 3	Tel.: +7 (343) 258-64-92, 263-91-00, 258-32-53, elfis@mail.ru, www.elfismebel.ru
ELK, 000	Wood-sawing: saw timber, and moulded strips	620017, Yekaterinburg, pr. Kosmonavtov, 11Б, lit. Д	Tel. +7 (343) 365-26-32, elk@youwood.ru, www.youwood.ru
Empire, MF, 000	Furniture production: caseloads furniture	620034, Yekaterinburg, ul. Toledova, 43Б	Tel. +7 (343) 253-23-54, fm-mebel@mail.ru, www.empire-fm.ru
Energoberezheniye, 000 (Spgroup)	Woodworking: kitchen facades. Furniture production: caseloads furniture	624800, Sverdlovsk obl., Sukhoy Log, ul. Belinskogo, 51A	Tel. +7 (343) 734-21-41, spgroup@bk.ru, www.spgroup66.ru
Evromebel, 000	Furniture production: caseloads, and soft furniture	620085, Yekaterinburg, ul. Titova, 33A	Tel. +7 (343) 383-62-00, fax +7 (343) 256-43-38, trade@euromebel.ru, www.euromebel.ru
Fankom, ZAO	Wood-sawing: saw timber. Woodworking: plywood	624691, Sverdlovsk obl., Alapaevsky rayon, pos. Verkhnyaya Sinyachikhа, ul. Kedrovaya, 1	Tel.: +7 (343) 372-71-10, 372-71-11, fankom@fankom.ru, www.fankom.ru
Fenix, MF, 000	Furniture production: caseloads furniture, and furniture from solid wood	620030, Yekaterinburg, Zagorodny per., 9	Tel. +7 (343) 345-10-04, fax +7 (343) 261-92-52, fenix-ekat@mail.ru, www.fenix-factory.ru
Forest-E, 000	Wood-sawing: saw timber, and veneer. Woodworking: MDF, and stairs	620085, Yekaterinburg, ul. Titova, 33A	Tel. +7 (343) 256-49-19, fax +7 (343) 217-21-66, forest_e@mail.ru, www.forest-e.ru

Sverdlovsk Oblast government authorities responsible for timber industry regulation

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so2@midural.ru, www.mpr.midural.ru

Name	Activity	Address	Contacts
Fortis-M (Pidzhakov A.V., IP)	Furniture production: caseloads furniture	624286, Sverdlovsk obl., Asbest, pos. Malysheva, ul. Sovetskaya, 6	Tel.: +7 (343) 655-22-06, 655-10-87, fortis_m@mail.ru, www.fortis-m.ru
Granit, 000	Woodworking: interior doors	620050, Yekaterinburg, ul. Tekhnicheskaya, 183 A	Tel. +7 (343) 322-80-70, fax +7 (343) 322-80-08, fc-granit@mail.ru, www.fc-granit.com
Kachkanar-Mebel, 000	Furniture production: caseloads, and soft furniture	624350, Sverdlovsk obl., Kachkanar, PO Box 3	Tel.: +7 (343) 204-80-55, 416-57-06, info@kachmebel.ru, www.kachmebel.ru
Karat-E, 000	Furniture production: caseloads furniture	620137, Yekaterinburg, PO Box 76	Tel.: +7 (343) 264-41-98, 264-41-87, market@karat-e.ru, www.karat-e.ru
Klass-Mebel, 000	Furniture production: caseloads, and soft furniture	620907, Yekaterinburg, ul. Glinnaya, 9	Tel. +7 (343) 352-68-12, fax +7 (343) 352-66-96, klass-mebel2009@mail.ru, www.klass-mebel.ru
Kristie, MF (Koshkin V.A., IP)	Furniture production: soft furniture	620100, Yekaterinburg, PO Box 8	Tel.: +7 (343) 262-39-83, 261-24-51, kristie@66.ru www.kristie.pro
Kupe, 000 (Allogio MD)	Furniture production	620135, Yekaterinburg, ul. Krasnykh Komandirov, 16	Tel. +7 (343) 336-20-36, alloggio-mebel@kupeural.ru, www.alloggio-mebel.ru
LeskhozInvest, 000 Nizhnetagilsky forestry enterprise	Lumbering	622016, Sverdlovsk obl., Nizhniy Tagil, ul. Lebyazhinskaya, 2A	Tel.: +7 (343) 548-90-48, 548-90-61, fax +7 (343) 548-90-46, leshozinvest@mail.ru
Lesko, 000	Wood-sawing: timber	620012, Yekaterinburg, PO Box 264	Tel./fax +7 (343) 366-37-10, leskoural@mail.ru, www.leskoural.ru
Lesniye Manufactory, 000	Woodworking: windows, doors, and stairs. Furniture production: caseloads furniture	624020, Sverdlovsk obl., Sysertskiy rayon, Sysert, ul. Bykova, 11	Tel. +7 (343) 237-25-97, www.lmdoors.ru,
Lesozavod, 000	Wood-sawing: saw timber	620910, Sverdlovsk obl., Yekaterinburg, pos. Koltsovo, ul. Bakhchivandzhi, 2A	Tel.: +7 (343) 213-17-12, 383-62-20, lesozavod@nxt.ru, www.ooo-lz.ru
Lesozavod Stroy Plus, 000	Wood-sawing: saw timber, and moulded strips	624000, Sverdlovsk obl., Sysertskiy rayon, Aramil, ul. Shpagatnaya, 1/6	Tel.: +7 (343) 216-03-02, +7 (919) 382-38-16, fax +7 (343) 217-06-06, info@lesozavod-sp.ru, www.lesozavod-sp.ru
LesTopSnab, 000	Lumbering. Wood-sawing: saw timber	623357, Sverdlovsk obl., Artinsky rayon, der. Verkhniye Arti, ul. Dachnaya, 1	Tel.: +7 (343) 914-33-95, lestopsnab@mail.ru,
LesUralExport, 000	Wood-sawing: saw timber	620034, Yekaterinburg, ul. Bebelya, 17, office 505	Tel.: +7 (343) 328-23-47, 201-41-11, fax +7 (343) 373-74-02, lesural@bk.ru, www.lesural.com
Litek, LPK, 000	Woodworking: sash pulleys, doorsets, and stairs. Wood-sawing: saw timber, and moulded strips. Furniture production: furniture from solid wood	620024, Yekaterinburg, ul. Simskaya, 1	Tel.: +7 (343) 256-87-57, 256-87-69, litek@ural.ru, www.litek-ural.ru
Lobva-Trade, 000	Lumbering. Wood-sawing: saw timber, and moulded strips	624420, Sverdlovsk obl., Lobva, ul. Zavodskaya, 4	Tel.: +7 (343) 372-17-90, 372-17-94, lobva@mail.ru, www.lobva.ru
Luxfront, 000	Woodworking: furniture facades	624260, Sverdlovsk obl., Asbest, ul. Promishlennaya, 2/3	Tel.: +7 (343) 657-40-95, 657-40-79, incoming@luxfront.ru, www.luxfront.ru
Mebelniye Tekhnologii, PK	Furniture production: soft furniture	620102, Yekaterinburg, ul. Repina, 20	Tel. +7 (343) 233-60-22, fgaboff@mail.ru
Meridian, 000	Wood-sawing: saw timber	624320, Sverdlovsk obl., Verkhnaya Tura, ul. Mashinostroiteley, 8A	Tel. +7 (343) 444-76-09, meridianVT@bk.ru, www.meridianvt.ru
NKT, 000	Wooden house construction:	620017, Yekaterinburg, ul. Frontovyykh Brigad, 14Г, office 10	Tel. +7 (343) 372-47-74, fax +7 (343) 217-38-11, nkt-ekt@mail.ru, www.nkt66.ru
Novolyalinsky PPM, TD, 000	Pulp-and-paper: cardboard, wrapping paper	620075, Sverdlovsk obl., Novaya Lyalya, ul. Lenina, 2	Tel.: +7 (343) 287-00-46, 287-00-92, cbk@mail.ru, www.tdnckb.ru
Optima Mebel (Smerdov E.P., IP)	Furniture production: caseloads, and soft furniture	620056, Yekaterinburg, ul. Montazhnikov, 24П, office 42	Tel. +7 (343) 206-77-17, 2902317@mail.ru, www.оптим-мебель.рф
Osobnyak, 000	Wooden house construction: frame wooden houses	620026, Yekaterinburg, ul. Lunacharskogo, 194, office 101	Tel.: +7 (343) 355-66-28, 261-59-45, osok@osok.ru, www.osok.ru
Pantyukhov V.V., IP (Kedr, MF)	Furniture production: caseloads furniture	624060, Sverdlovsk obl., Asbest, ul. Mira, 12/1	Tel.: +7 (343) 652-16-32, 656-53-47, info@firmakedr.ru, www.firmakedr.ru
Partner, 000	Wood-sawing: saw timber, and moulded strips	620017, Yekaterinburg, ul. Starykh Bolshhevikov, 2	Tel.: +7 (343) 361-13-62, 361-14-62, e3611362@yandex.ru,
Regionles, KP, 000	Wood-sawing: saw timber, and timber	620076, Yekaterinburg, PO Box 77	Tel. +7 (343) 216-00-15, fax +7 (343) 216-00-50, uktus2004@mail.ru, www.leso-zavod.ru

Name	Activity	Address	Contacts
Rezhvskoy Forestry Enterprise, 000	Lumbering	623750, Sverdlovsk obl., Rezh, ul. Krasnoflotzev, 5	Tel.: +7 (343) 642-10-52, 642-11-15, 642-22-40, 642-23-38, 642-11-16, rlespr@yandex.ru
Rezhvskoye Furniture Plant, 000	Furniture production: caseloads furniture	623751, Sverdlovsk obl., Rezh, ul. Kurskaya, 12	Tel. +7 (343) 643-31-69, rezhmeb@yandex.ru, www.rezhmeb.ru
Rusdrevprom, 000	Woodworking: eaves board, pillars, and ties	624983, Sverdlovsk obl., Serov, ul. Avtodorozhnaya, 15	Tel.: +7 (343) 857-92-27, 857-97-06, rdpl-info@mail.ru, www.rusdrevprom.ru
Severny Les, 000	Wood-sawing: saw timber, and moulded strips. Woodworking: stairs, windows, and joinery. Wooden house construction: frame wooden houses	620149, Yekaterinburg, ul. Zoologicheskaya, 4	Tel.: +7 (343) 201-21-20, 240-27-98, 243-43-86, fax +7 (343) 243-42-47, mail@sles.ru, www.sles.ru
SKM-Mebel, GK (The First Timber-Processing Company, 000)	Wood-sawing: saw timber, and moulded strips	624600, Sverdlovsk obl., Alapaevsk, ul. Lizy Chajkinoy, 6A	Tel.: +7 (343) 463-31-57, 463-31-23, 463-31-49, zagorodniy@scm.ru, www.skm-mebel.ru
Sonaton, 000	Furniture production: caseloads, and soft furniture	620149, Yekaterinburg, PO Box 241	Tel.: +7 (343) 240-58-75, 243-45-08, sonaton-zakaz@r66.ru, www.sonaton.ru
Soyuz-Mebel, 000	Furniture production: caseloads furniture	620137, Yekaterinburg, ul. Blyukhera, 88	Tel. +7 (343) 345-27-14, fax +7 (343) 345-27-09, yurij-sm@mail.ru, www.souz-mebel.ru
Sverdles PO, ZAO	Wood-sawing: saw timber, and dressed boards	620219, Yekaterinburg, ul. Michurina, 132	Tel.: +7 (343) 261-38-38, 261-38-51, svles@svles.ru, www.sverdles.ru
Tavdinsky Plywood Plant, 000	Woodworking: plywood	623955, Sverdlovsk obl., Tavda, ul. Kovalya, 4	Tel.: +7 (343) 603-00-30, 603-00-27, sbit@tavda-tfk.ru, www.tavda.ru
Tereshkin V.L., IP	Furniture production: caseloads furniture	623750, Sverdlovsk obl., Rezh, ul. Gajdara, 96	Tel. +7 (343) 642-43-64, 2073964@mail.ru, www.tereshkin-mebel.ru
Tura-Les, ZAO	Wood-sawing: saw timber, and moulded strips. Bioenergy: charcoal, fuel briquettes	624320, Sverdlovsk obl., Verkhnaya Tura, ul. Lesnaya, 3	Tel. +7 (343) 444-68-82, kozmenco@yandex.ru, www.tura-les.ru
Turinsky TsBZ, ZAO	Lumbering. Woodworking: fiberboard. Pulp-and-paper: wallpaper, roll paper	623900, Sverdlovsk obl., Turinsk, ul. Dzerzhinskogo, 2	Tel.: +7 (343) 492-45-62, 492-45-54, 492-40-70, fax +7 (343) 492-12-03, 492-45-71, sbyt@tcbz.uraltc.ru, www.tcbz.ru
Universal M, 000	Wood-sawing: saw timber, and moulded strips	623950, Sverdlovsk obl., Tavda, ul. Papanintsev, 27	Tel. +7 (343) 602-08-31, pilmat@mail.ru
Ural House, 000	Wood-sawing: saw timber, and moulded strips. Wooden house construction: fabricated wooden houses	622051, Sverdlovsk obl., Nizhniy Tagil, ul. Trikotazhnikov, 15	Tel. +7 (343) 540-11-88, fax +7 (343) 540-11-89, ural-house@yandex.ru, www.uralhouse.net
Ural Les, 000	Lumbering. Wood-sawing: saw timber. Wooden house construction	620075, Yekaterinburg, ul. Avtomagistralnaya, 37A, office 201	Tel.: +7 (343) 213-29-09, (912) 605-11-89, kpi96@mail.ru, www.ur-les.ru
Uralles, PO	Lumbering. Wood-sawing: saw timber	624350, Sverdlovsk obl., Kachkanar, Promzona	Tel. +7 (343) 416-60-39, office@texles.ru, www.texles.ru
Urallesprom, GK	Wood-sawing: saw timber. Furniture production. Wooden house construction	620000, Yekaterinburg, ul. Reshetnikova, 22A, office 408	Tel. +7 (343) 253-12-53, ulp@uraltc.ru, www.uralhouse.ru
Ural Paper, ZAO	Pulp-and-paper: tissue	624803, Sverdlovsk obl., Sukhoy Log, ul. Beregovaya, 5	fax: +7 (343) 734-26-14, 734-23-91, uralbumaga@list.ru
Ural-Siberian Investments, 000	Wood-sawing: saw timber	622022, Sverdlovsk obl., Nizhniy Tagil, ul. Vijskaya, 70, office 809	Tel. +7 (343) 547-59-19, fax +7 (343) 547-59-20, uralusi@gmail.com
Ural Timber-Processing Company, 000	Wood-sawing: saw timber, and moulded strips. Wooden house construction: houses from round log. Woodworking: sash pulleys, doorsets, and stairs	623406, Sverdlovsk obl., Kamensk-Uralsky, ul. Krasnogorskaya, 36	Tel.: +7 (343) 935-35-72, +7 (912) 212-34-45, Tel./fax +7 (343) 934-95-55, a.l.z@bk.ru, www.ураллеспромкомпания.рф
Urman (Uzdanov Z.G., IP)	Furniture production: caseloads furniture, and furniture from solid wood	624800, Sverdlovsk obl., Sukhoy Log, ul. Kunarskaya, 2Б	Tel.: +7 (343) 734-21-48, +7 (950) 192-26-04, urman96@yandex.ru, www.urman96.ru
Uyutny Modul (Torgovy Dom Um, 000)	Furniture production: caseloads furniture, and furniture from solid wood	620062, Yekaterinburg, ul. Timiryazeva 13, PO Box 14	Tel.: +7 (343) 278-44-12/13/14, +7 (912) 271-47-28, akellaekb@mail.ru, www.um-mebel.com
Venta, 000	Furniture production: caseloads, and soft furniture	620014, Yekaterinburg, ul. Predelnaya, 57/3, office 205	Tel.: +7 (343) 355-55-94, 234-62-95, info@mcventa.ru, www.mcventa.ru
Yegorshinsky Les, LPP, 000	Wood-sawing: saw timber, and moulded strips	623780, Sverdlovsk obl., Artyomovskiy, per. Polyarnikov, 4	Tel. +7 (343) 632-74-22, 1959bagenov@rambler.ru, www.uralderevo.ru
Yekaterinburg Furniture Company, 000	Furniture production: caseloads furniture	620016, Yekaterinburg, ul. Gorodskaya, 1A, office 1	Tel. +7 (912) 241-35-56, mebelural@mail.ru
ZhelDorPut, 000	Woodworking: railroad ties, and transmission towers	620028, Yekaterinburg, ul. Frolova, 31, office 23	Tel. +7 (343) 344-44-30, fax +7 (343) 251-54-22, geldorput@mail.ru, www.geldorput.com

§ On the border of Europe and Asia

The Chelyabinsk Oblast is a territory of active industrial development, one of the most developed regions in Russia



The Chelyabinsk Oblast, part of the Urals Federal District, is located at the meeting point of two continents (the notional border passes through the dividing ridges of the Ural mountains): some of its towns are in Europe, and some are in Asia.

The oblast measures 88,500 km² and stretches for 490 km from south to north, and 400 km from west to east. It is the fifth largest of the eight regions in the Urals Federal District (UrFD) and the 39th largest administrative division in Russia.

The population of the oblast is 3.48 million people, 83% of whom live in cities.

The administrative centre and largest centre is Chelyabinsk with a population of more than 1.1 million, located in 1,919 km from Moscow. Other large cities are Magnitogorsk (pop.: 409,500), Zlatoust (pop.: 175,800), Miass (pop.: 166,100) and Kopeysk (pop.: 140,500).

NATURE AND GEOGRAPHY

The Chelyabinsk Oblast is situated on the eastern Ural and partially on the western slope of the Southern Urals. The majority of the region is situated in Asia, and a small part in Europe.

The region is distinguished by great geographical diversity: from lowlands and hilly plains to mountain ranges, with summits that exceed 1,000 m (the highest point is Mount Nurgush, 1406 m above sea level).

The Southern Urals are abundant in karst fields. There are a total of 320 caves in the oblast, most of them have been declared natural monuments.

The taiga zone, with mixed and broad-leaved forests, is quite swampy in the Chelyabinsk Oblast (there are over 500 swamps in the region). The steppe zone features areas of black earth with a high humus content, which ranks among the most fertile soils in the world. In the south of the region there is a semi-desert zone.

The Chelyabinsk Oblast has a rich network of rivers and lakes. There are 360 rivers with a length of more than 10 km, around 3,000 lakes and 15 large water reservoirs. The region is situated on the main water divide of Eurasia, and all its rivers are divided between the basins of three major rivers: the Volga, the Ural and the Ob. The Miass River, on which Chelyabinsk stands, carries a large economic burden with the four fifths of its volume used for industry and household needs. Authorities in the region are considering a plan to divert water from the Ufa basin to the river in order to double the volume of water in the Miass.

The flora of the region is very diverse. The Southern Urals is an area where the European, Siberian and Central Asian botanical and geographical areas come into contact, so you can encounter almost all the types of vegetation found in the temperate and Arctic zones of Russia.

CLIMATE

The region is located in three natural zones – mountain steppe, forest and steppe. Each of these has its own climatic features, but on the whole the climate of the Chelyabinsk Oblast, which is deep within the continent at a large distance from seas and oceans, can be characterized as continental. The weather is influenced considerably by the Ural Mountains which prevent the movement of western air masses from the Atlantic.

The winter here is quite cold (the average temperature in January is –16 °C) and lasts from November to March. Winter is longer in mountainous regions than it is in the forest steppe zone, but at the same time it is milder, in many ways because of the large amount of snow. On the mountain ranges above an altitude of 1 kilometer snow cover lasts until May.

The summer is quite short but hot and dry, and the influence of air masses from Kazakhstan and Central Asia makes itself felt. The average temperature in July is +17 °C. At this time, low pressure predominates in the region.

Average annual precipitation is 350 mm per year in the plains and 600 mm per year in the mountains. The vegetative period lasts between 130 and 150 days.

Around 10% of the area of the Chelyabinsk Oblast is made up of protected territories. The total area of sanctuaries and national parks is around 200,000 hectares.

MINERAL RESOURCES

The Chelyabinsk Oblast (especially its mountainous parts) is extremely rich in natural resources, and more than 300 industrial-grade mineral raw materials fields have been explored here. The region has a near-monopoly in Russia over the production and processing of graphite (95% of the entire processing volume in the country), magnesite (95%), metallurgical dolomite (71%) and talc (70%). More than 20 fields contain iron ore in the region and more than 10 fields of copper ore have been explored. There are also fields of nickel and cobalt, and bauxite mines.

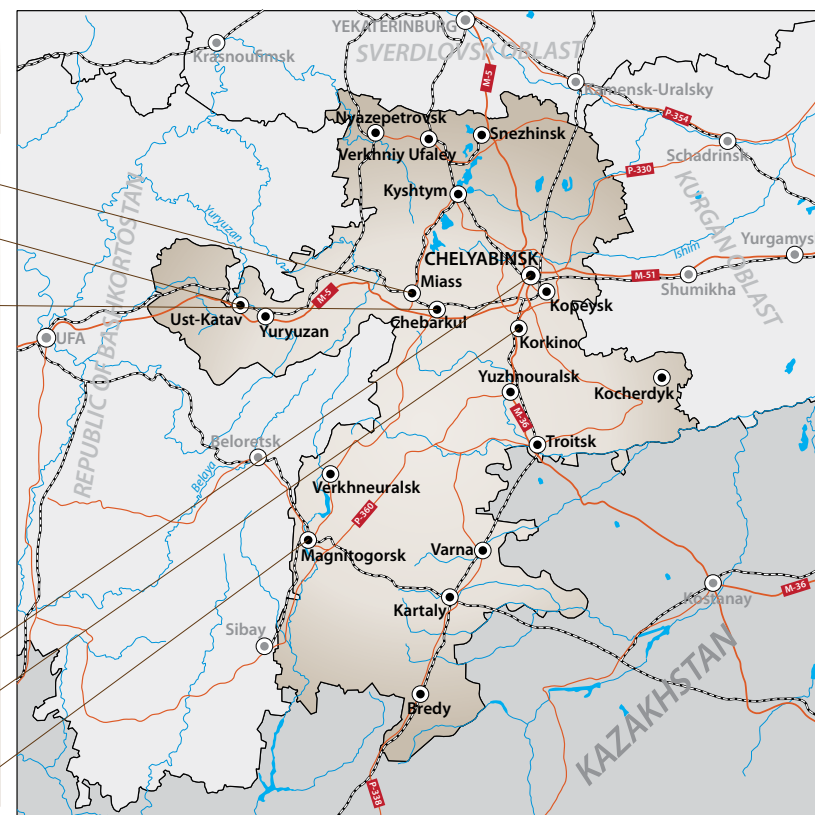
Mineral resources in the Chelyabinsk Oblast that have been classified as chemical raw materials include talc, phosphates, sulphur ore and salts. Fields of magnesite, marl, clay and limestone, fluxes and dolomites have been explored. High-quality marble, building stone and sand are also sourced in the region. Supplies of brown coal have been assessed at over 700 million tons.

There are rich peat deposits in the swamps of the oblast, but they have not yet been developed.

In the Miass region alluvial gold is mined.

Large-scale forestry enterprises of the Chelyabinsk Oblast

- Miassmebel, ZAO
- Korabelnaya sosna, GK
- Chebarkulsky fanerno-plitny kombinat, OOO
- Akhmanaev P.M., IP
- Beaver Story, OOO
- Chelyabinsky Zavod Derevyannogo Domostroeniya, OOO
- Dedal-Komid, OOO
- Ecodom, GK
- Ivkor, ZAO
- Krasnoderevskiy FSSI, ZAO
- Kvinta, MF, OOO
- Lesnoy dvor, PKP, OOO
- Linda, ZAO
- Vita Dom, OOO
- YuzhUralkarton Fabric, OOO
- Magnitogorskaya Fabrika Mebeli, OOO
- Montazhnik, PO, OAO



S.M. Prokudin-Gorsky. Collection of firewood in Ural mountains. Summer of 1910





Furniture plant Miassmebel



Furniture plant Miassmebel

ECOLOGY

Maintaining the purity of the environment is a sore point for the Chelyabinsk Oblast, where around 15,000 industrial enterprises operate. According to data from the Russian Statistics Board, Magnitogorsk is the fifth most polluted of all Russian cities: annually, 231,900 tons of pollutants are emitted into the atmosphere from stationary sources. Chelyabinsk, Karabash, Satka, Bakal, Korkino and Yemanzhelinsk are also considered to be ecologically poor. In total, ecologists state 52% of the territory of the oblast has been polluted by industrial waste. The pollutants include such highly dangerous substances as benzopyrene, mercury, lead, chrome and manganese.

As well as industrial pollution in the Chelyabinsk Oblast, there is radioactive pollution. The industrial association Mayak, a plant that manufactures components of nuclear weapons and reprocesses nuclear fuel, is located in the north of the region. Some ecologists call the territory around this plant one of the most radioactive places on the planet. The situation was worsened by an industrial accident in 1957 when a container holding highly radioactive waste exploded at Mayak. The radioactive cloud that followed formed the so-called “East Urals radioactive trace”, which has an area of 23,000 m².

Nevertheless, according to information from the Chelyabinsk Oblast government, at present

the radiation situation in the region is safe for human health, and the average level of background radiation is lower than in France and Italy. The existing security system at Mayak has been declared to meet current standards and regulations, according to the local authorities. The Russian Atomic Board, in its turn, states that despite the presence of the nuclear plant, the background radiation in the town of Ozyorsk near Mayak is lower than in Chelyabinsk, for example.

TRANSPORT

The Chelyabinsk Oblast is a major transport hub linked by communication routes with the Eurasian continent.

The region is crossed by the most of the South Urals railway, which is a branch line of the Trans-Siberian Railway. The railway network spreads out across the territory of the oblast evenly. Railway transport accounts for around 80% of all cargo transportation in the region.

The total length of vehicular roads of general use is over 9,000 km, 97.8% of which have a hard surface. Furthermore, the length of vehicular roads with a hard service per one-square kilometer of territory in the Chelyabinsk Oblast is a third greater than for the Urals Federal District as a whole. The M5 “Urals” (Moscow-Yekaterinburg), M36 “Chelyabinsk-Kazakh border” and M51 “Baikal (Chelyabinsk-Novosibirsk) federal highways all pass through the region. The length of the M5, M36 and M51 forms 604 km.

There are two airports of international status in Chelyabinsk and Magnitogorsk, and the Chelyabinsk airport can receive all types of jetliners.

ECONOMY

The Chelyabinsk Oblast is one of the most economically developed regions in the Russian Federation, and is placed fifth among regions in terms of volume of industrial production, seventh in foreign investments, 12th in retail sales volume, agricultural production and housing development, and 15th for investments in charter capital.

The metallurgical industry plays a leading role in the economy – accounting for more than 60% of the volume of industrial production in the region. Other industrial activity in the oblast is concentrated around the machine-building, fuel and energy, construction and agro-industrial enterprises.

At the same time, the oblast government notes, great attention is paid to the development of small businesses. Every third resident of the region involved in the economy works for a small business, and the small businesses account for 25% of gross regional product.

In December 2011, the international rating agency

Standard & Poor’s confirmed the Chelyabinsk Oblast’s long-term credit rating as BB+, a rating of ruAA+ on the national scale, and gave a forecast of “stable”. These ratings reflect the high credit capacity of the region.

FOREST RESERVE

Eighty percent of the forests in the Chelyabinsk Oblast are protected and designed to perform such functions as water conservation, protection, sanitary and hygienic, and health. There are also two national parks in the oblast: the Taganai and Zuratkul national parks.

For all types of forests used, 1,614 hectares are leased, which is 61% of the total area.

They are leased for the following purposes:

- logging – 1,588,000 hectares;
- hunting – 22,467 hectares;
- agriculture – 13 hectares;
- recreational activity – 1,028 hectares;
- geological study of subsurface resources, development of mineral fields – 1,377 hectares;
- construction and maintenance of water reservoirs and other artificial bodies of water, hydraulic structures and specialized ports – 34 hectares;
- construction, reconstruction and maintenance of electricity lines, communication lines, roads, pipelines and other line objects – 624 hectares.

Total annual logging volume is around 1,400,000 m³, and has remained unchanged over the past few years. Significant growth in the volume of logging is not expected in the near future.

FORESTRY COMPLEX

The economy of the Chelyabinsk Oblast is primarily focused on metallurgy and machine-building. For this reason, the forestry complex of the region is rather poorly developed. At the same time, the oblast is classified as a region with a deficit of forests, i.e. its own forest resources are not sufficient to satisfy the needs of its forestry enterprises.

The primary exploitable volumes of coniferous and broadleaved timber are concentrated in the forest zone that covers the west and the northwest of the Southern Urals. The total volume of mature and over-mature exploitable forests is 25.7 million m³. The majority of it is broadleaved timber, mainly birch, that is not of the highest quality.

Most of the trees felled in the oblast are processed in areas near the rented forest areas at sawmills with outdated equipment. As a result, the market is flooded with low-quality sawn timber.

Perhaps the problematic forestry situation in

the Chelyabinsk Oblast will change with the creation of a forestry holding company in the Urals Federal District (UrFD). This idea was put forward by Alexander Sviridov, the Presidential envoy in the UrFD, and its main goal would be to intensify timber processing in the district. In 2011, the percentage of timber processing and the manufacture of wooden items in the entire processing segment in the UrFD was just 0.7%, while the nationwide figure was approximately twice as high. Supplies of standing timber in the district are around 10% of nationwide supplies, but only 22% of the calculated felling rate is used. This is because of the insufficient

development of transport infra-structure and a lack of the necessary number of plants for the high-level processing of timber.

At present, the Korporatsiya Razvitiya (Development Corporation) company is working a project to create a vertically integrated holding in the forestry complex in the UrFD. It is envisioned that wholesale centers for the sale of timber, a “Timber stock exchange”, could be located in the Sverdlovsk or Chelyabinsk Oblasts. The proposal includes storage complexes for storing and selling raw timber materials with a choice of large and small sellable lots for different categories of processors.

Thus, if the plan for creating the holding company is realized, one of the considerable advantages of the Chelyabinsk Oblast in particular will be a solution to the problem of providing processing plants with timber resources.

At any rate, wood processing in the Chelyabinsk Oblast is developing, albeit it slowly. Forestry enterprises in the region occupy a niche in internal and external markets manufacturing mainly sawn wood, plywood, door and window blocks and furniture.

Yevgenia CHABAK

Chelyabinsk Oblast government authorities responsible for timber industry regulation

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Enterprises of the forestry industry of the Chelyabinsk Oblast

Name	Activity	Address	Contacts
Abramov V.A., IP	Woodworking: veneer, fiberboard and chipboard	454000, Chelyabinsk, ul. Lineynaya, 69	Tel. +7 (351) 236-05-77, ipabramov74@mail.ru
Akhmanaev P.M., IP	Wood-sawing: saw timber and moulded strips	454087, Chelyabinsk, ul. Dnepropetrovskaya, 25	Tel.: +7 (351) 248-56-10, 750-11-71, +7 (922) 750-11-71, (951) 470-73-19, pilomaterial174@yandex.ru, www.pilomaterial174.ru
Alfa-Les, PKF, OOO	Wood-sawing: saw timber	454081, Chelyabinsk, ul. Mekhanicheskaya, 26	Tel.: +7 (351) 233-24-72, 235-03-55, Fax +7 (351) 778-50-30, alfales174@yandex.ru, www.alfaless.ru
Altair (Mityushkin V.M., IP)	Wood-sawing: saw timber	45408, Chelyabinsk, ul. Geroev Tankograda, 52П	Tel.: +7 (351) 771-32-15, 771-41-35, www.apsplus.ru
Astra-Les, OOO	Wood-sawing: saw timber. Woodworking: doors. Furniture production: garden furniture	454036, Chelyabinsk, Sverdlovsky Trakt, 35	Tel.: +7 (351) 791-05-14, 725-77-73, astra-les@mail.ru, www.astrales.ru
AsuTransProm, OOO	Wood-sawing: saw timber	456205, Chelyabinsk obl., Zlatoust, ul. Beregovaya Vetluzhskaya, 84	Tel. +7 (351) 362-14-24, radonzt@yandex.ru
Atrium, OOO	Wooden house construction: glulam houses and houses from round log	454091, Chelyabinsk, pl. MOPRa, 10, office 408	Tel.: +7 (351) 729-88-82, 247-94-20, info@atrium-dom.ru, www.atrium-dom.ru
Beaver Sroy, OOO	Wooden house construction: glulam houses	454019, Chelyabinsk, ul. Kirova, 104/2, office 13	Tel.: +7 (351) 750-19-77, 750-18-44, info@beaverstroy.ru, www.beaverstroy.ru
Birja Lesa, OOO	Wood-sawing: saw timber	454010, Chelyabinsk, ul. Yeniseyskaya, 29	Tel.: +7 (351) 776-88-25, 776-88-45, Fax +7 (351) 778-50-30, alfales174@yandex.ru, www.birjalesa.ru

Name	Activity	Address	Contacts
Chebarkulsky Fanerno-Plitny Kombinat, 000	Woodworking: plywood	456440, Chelyabinsk obl., Chebarkul, ul. Pervogo Maya, 20	Tel.: +7 (351) 682-48-60, 682-44-06, Fax +7 (351) 682-45-27, uralfan@mail.ru chfpk@mail.ru, www.uralfan.ru
Chelyabinsky Zavod Derevyannogo Domostroeniya, 000	Wooden house construction: glulam houses	454008, Chelyabinsk, ul. Avtodorozhnaya, 13	Tel. +7 (351) 230-13-55, kleibrus@mail.ru, www.klei-brus.ru
Chelyabmebelservice, 000	Furniture production: soft furniture	454106, Chelyabinsk, ul. Kosareva, 6	Tel.: +7 (351) 797-97-82, 797-97-84, monakova@list.ru, www.chelyabmebelserv.ru
Continent, 000	Furniture production: furniture from solid wood. Woodworking: stairs, sash pulleys and doorsets, arches from solid wood	454008, Chelyabinsk, ul. Avtodorozhnaya, 5	Tel. +7 (351) 235-72-21, continent-tm@yandex.ru, www.continenttm.com
Dedal-Komid, 000	Furniture production: caseloads furniture	454091, Chelyabinsk, ul. Engelsa, 61A	Tel.: +7 (351) 235-45-88, 266-70-13, dedalkomid@mail.ru, www.komid-mebel.ru
Dop, 000	Wood-sawing: saw timber. Woodworking: wooden boxing	454091, Chelyabinsk, pr. Lenina, 3	Tel.: +7 (351) 778-43-58, 778-41-07, dop914@74.ru, www.derevoobrabotka74.narod2.ru
Drobikh P.G., IP	Furniture production: caseloads furniture	454048, Chelyabinsk, ul. Fjodorova, 12	Tel. +7 (351) 237-38-22, sistema@front.ru
DverLine, 000	Woodworking: interior doors	454008, Chelyabinsk, Sverdlovsky Trakt, 5	Tel.: +7 (351) 725-79-16, 725-79-86, 725-78-86, 725-77-85, dverline@inbox.ru, www.dverline.ru
Ecodom, GK	Wooden house construction: glulam houses. Wood-sawing: moulded strips. Woodworking: glulam, windows and doors	456501, Chelyabinsk obl., Sosnovsky Rayon, pos. Noviy Kremenkul, Kvartal Promishlenniy, str.3	Tel. +7 (351) 245-06-38, fax +7 (351) 245-06-39, tdecodom@bk.ru, www.ecodomgroup.ru, www.ecodomik.ru
Ecodom Ural, GK	Wooden house construction: glulam houses and houses from round log	454084, Chelyabinsk, ul. Kirova, 19, office 406A	Tel. +7 (351) 223-20-85, chel@eco-dom.biz, www.smu.eco-dom.biz
EurolesChelyabinsk, 000	Wood-sawing: moulded strips. Woodworking: stairs, sash pulleys and doorsets	454053, Chelyabinsk, Troitsky Trakt, 56/6	Tel.: +7 (351) 269-80-86, 269-80-13, 247-34-02, sklad@pichel.ru, www.pichel.ru
Fabric YuzhUralKarton, 000	Pulp-and-paper: corrugated board	456550, Chelyabinsk obl., Korkino, Ul. 30 Let VLKSM, 189A	Tel.: +7 (351) 245-33-16, +7(351) 523-03-45, 523-03-47, 523-03-48, 523-03-49, market@uralkarton.ru, sales@uralkarton.ru, www.uralkarton.ru
Faraon-Mebel, 000	Furniture production: caseloads furniture	454008, Chelyabinsk, ul. Krasnoznamennaya, 40	Tel. +7 (351) 231-59-00, fax +7 (351) 791-33-66, faraon074@gmail.com, www.faraon-mebel.ru
FSSI Krasnoderevshchik, ZAO	Woodworking: interior doors	454081, Chelyabinsk, ul. Mekhanicheskaya, 40	Tel. +7 (351) 259-86-66, fax +7 (351) 259-87-77, info@dveri-kd.ru, fkd@chel.surnet.ru, www.dveri-kd.ru
Gorbunov A.V., IP	Wood-sawing: saw timber	456870, Chelyabinsk obl., Kyshtym, ul. Uralskaya, 18	Tel.: +7 (904) 940-02-85, (351) 513-39-36, les-74@yandex.ru, www.les-74.narod.ru
Ivkor, ZAO	Furniture production: caseloads furniture	456320, Chelyabinsk, ul. Ilmen-Tau, 35	Tel.: +7 (351) 354-66-66, 353-29-78, info@ivkor.ru, www.ivkor.ru
Kapital, 000	Lumbering. Wood-sawing: saw timber	454008, Chelyabinsk, ul. Kaslinskaya, 34, office 36	Tel. +7 (351) 727-02-12, fax +7 (351) 727-01-94, dokat@yandex.ru
Korabelnaya sosna, GK	Woodworking: sash pulleys and facades. Wooden house construction: houses from glued shaped timber	454000, Chelyabinsk obl., Ust-Katav, ul. Stroitelej, 14	Tel. +7 (919) 322-06-50, mail@korsosna.ru, www.korsosna.ru
Kvinta, MF, 000	Furniture production: soft furniture	454084, Chelyabinsk, ul. Kozhzavodskaya, 106A	Tel.: +7 (351) 729-85-15, 729-85-18, opt@kvintamebel.ru, rozn@kvintamebel.ru, www.kvintamebel.ru
Leskom 74, 000	Wood-sawing: saw timber. Wooden house construction: frameworks of houses and bathhouses	454087, Chelyabinsk, ul. Darvina, 8	Tel.: +7 (351) 725-92-60, 262-42-83, 725-98-62, leskom74@mail.ru, www.leskom74.ru
Leskomplekt, PF, 000	Wood-sawing: saw timber	454014, Chelyabinsk, ul. Kozhzavodskaya, 10A	Tel.: +7 (351) 210-04-43, 233-44-22, 235-93-80, 233-41-76, leskomplekt@mail.ru, www.leskomplekt.ru
Lesnoy Dvor, PKP, 000	Wooden house construction: houses from round log. Wood-sawing: saw timber	454012, Chelyabinsk, Kopejskoye shosse, 11П	Tel.: +7 (351) 230-66-99, 270-30-72, Fax +7 (351) 281-06-16, lesnoydvor@74.ru, www.lesnoydvor.ru

Name	Activity	Address	Contacts
Linda, ZAO	Furniture production: caseloads furniture	454053, Chelyabinsk, ul. Pervaya Potrebitefskaya, 4A	Tel.: +7 (351) 268-96-86/7/8, Fax +7 (351) 262-12-15, fab-linda@mail.ru, www.fabrika-linda.ru
Logos-Yug, 000	Furniture production: kids’ furniture from solid wood. Woodworking: children gardens	454038, Chelyabinsk, Stanzia Novometallurgicheskaya, 119	Tel.: +7 (351) 771-51-65, 725-44-89, logos-ug@yandex.ru, www.logos-ug.ru
Maestro-Mebel, 000	Furniture production: soft furniture	454139, Chelyabinsk, per. Buguruslansky, 1	Tel.: +7 (351) 253-51-74, (951) 799-98-47, maestro_mebel@inbox.ru, www.maestro-mebel.net
Magnitogorskaya Fabrika Mebeli, 000	Furniture production: caseloads furniture	455016, Chelyabinsk obl., Magnitogorsk, per. Chaadaeva, 24	Tel.: +7 (3519) 48-24-44, 48-28-95, 48-29-22, magfabrika@mail.ru, www.magfabrika.ru
Magnum Haus (Construction Company Avtotelservice, 000)	Wooden house construction: frame wooden houses	454092, Chelyabinsk, ul. Kurchatova, 2	Tel.: +7 (351) 269-54-84, 269-51-88, 225-13-83, magnumhaus@gmail.com, www.magnumhaus.ru
Max, MF, 000	Furniture production: soft furniture	454053, Chelyabinsk, ul. Tominskaya Pervaya, 1A	Tel.: +7 (351) 230-70-51, 232-91-46, +7 (922) 746-09-61, fabrikamax74@mail.ru, www.max74.ru
Maya-Mebel, 000	Furniture production: caseloads and soft furniture. Woodworking: tables and chairs from solid wood	454010, Chelyabinsk, Kopejskoye shosse, 48	Tel. +7 (351) 245-34-56, Tel./fax: +7 (351) 252-33-72, 252-34-04, maya-mebel@mail.ru, www.maya-mebel.ru
Miassmebel, ZAO	Furniture production: furniture from solid wood	456303, Chelyabinsk obl., Miass, ul. 60 Let Oktyabrya, 13	Tel.: +7 (351) 356-15-11, 357-12-08, info@miassmebel.ru, www.miassmebel.ru
Montagnik, PO, OAO	Wood-sawing: moulded strips. Woodworking: sash pulleys and doors from solid wood	455037, Chelyabinsk obl., Magnitogorsk, ul. Kurako, 6 (uchastok 17)	Tel. +7 (351) 945-25-95, Fax +7 (351) 949-02-59, montagnik17@yandex.ru, www.montagnik17.ru
Naifl, MF, 000	Furniture production: caseloads furniture	454048, Chelyabinsk, ul. Tatyanchevoy, 13/2	Tel.: +7 (351) 778-03-11, 778-03-27, 262-87-30, www.mebel.naifl.ru
Nensi, MF	Furniture production: caseloads and soft furniture	454081, Chelyabinsk, ul. Gerojev Tankograda, 1A	Tel.: +7 (351) 778-50-64, 230-02-71, n_nensi@mail.ru, www.nensimebel.ru
NovaStyle, 000	Furniture production: caseloads furniture	454046, Chelyabinsk, ul. Gagarina, 51, office 223	Tel.: +7 (351) 248-90-09, 777-15-76, novastyl@mail.ru, www.novastil.tiu.ru
Regina, 000	Furniture production: soft furniture	454053, Chelyabinsk, Troitsky Trakt, 48A	Tel.: +7 (351) 262-39-78, 262-40-22, 262-71-89, commerce_regina3@mail.ru, ivina_regina@mail.ru, www.regina-mebel.ru
SID Sofas (Martynov E.V., IP)	Furniture production: soft furniture	454087, Chelyabinsk, ul. Dnepropetrovskaya, 28	Tel.: +7 (351) 262-03-20, 262-03-22, sid-divan@mail.ru, www.sid-divan.ru
Sirius, 000	Furniture production: soft furniture	454008, Chelyabinsk, Sverdlovsky pr., 7A, office 204	Tel. +7 (351) 790-44-08, sirius-m@yandex.ru, www.sirius-m.ru
Stilliano (Rybalov A.N., IP)	Furniture production: caseloads furniture and furniture from solid wood	454091, Chelyabinsk, ul. Pushkina, 60	Tel. +7 (351) 230-06-16, stilliano@mail.ru, at-mebel@mail.ru, www.stilliano.ru
Sunhome, 000	Wooden house construction: frame wooden houses, houses from round log and log houses	454014, Chelyabinsk, ul. Voroshilova, 35, office 3.2	Tel.: +7 (351) 223-36-35, 211-53-37, Fax +7 (351) 211-53-38, dom@sun-home.ru, www.sun-home.ru
Tavis-S, ZAO	Wood-sawing: moulded strips. Woodworking: sash pulleys and doorsets	454081, Chelyabinsk, ul. Perviy Uchastok CHEMK, 6	Tel.: +7 (351) 771-59-77, 771-59-78, tavisop@ya.ru, www.tavis-chel.ru
Tvoi Dom, 000	Wooden house construction: houses from sandwich-panels	454080, Chelyabinsk, ul. Engelsa, 44Д, office 608	Tel. +7 (351) 223-05-08, info@tvoidom74.ru, www.tvoidom74.ru
Uraldekor (Belogorlov U.V., IP)	Woodworking: fiberboard	454087, Chelyabinsk, ul. Tominskaya, 8, office 34	Tel. +7 (351) 278-95-47, tel/fax +7 (351) 269-85-32, vdvural@mail.ru, www.vdv-ural.ru
Vita Dom, 000	Wooden house construction: glulam houses, houses from round log and fabricated wooden houses	454007, Chelyabinsk, ul. Artilleriyskaya, 122	Tel.: +7 (351) 775-46-65, 233-34-91, fax +7 (351) 775-46-65, vitadom@tes-t.ru, www.vitadom.ru
Yunusov V.M., IP (Yunusov & Co)	Furniture production: soft furniture	454081, Chelyabinsk, ul. Kudryavtseva, 2	Tel.: +7 (351) 245-33-45, mebel@ynicom.ru, www.ynicom.ru
ZlatLes, 000	Lumbering. Wood-sawing: saw timber	456228, Chelyabinsk obl., Zlatoust, pr. Gagarina, 3 mikrorayon, PO Box 356	Tel./fax +7 (351) 365-04-81, zlatles@mail.ru

List of trade fairs in 2013

Date	Exhibition	City	Organizer/ Event Place	Contacts
6–10 May	Ligna 2013	Hannover, Germany	Deutsche Messe	Tel. +49 511 890, fax +49 511 8932626, www.ligna.de
9–11 May	Wood Guangzhou 2013	Guangzhou, China	China Import & Export Fair Pazhou Complex	Tel. +86 13416279371, fax +86 2082579220, grandeurhk@yeah.net , www.muyezhan.com
13–16 May	Euroexpofurniture/ EEM'2013	Moscow, Russia	MVK, Part of the ITE Group/ VVC	+7(495) 935-81-00, Dorofeeva@mvk.ru , www.eem.ru , www.interkomplekt.ru
15 May	Seminar: Hardmetal circular saws. Practical advices for qualified preparations of instrument	Moscow, Russia	LesPromInform magazine/ VVC in frames of Euroexpofurniture/ EEM'2013 trade fair	+7 (812) 640-98-68, develop@lesprominform.ru , or@lesprominform.ru , www.lesprominform.ru
15–17 May	Lesprom-Ural. Wooden House. Woodworking. Wood in Interior	Yekaterinburg, Russia	MVK, Part of the ITE Group, 000 / International Trade Center Yekaterinburg-Expo	+7 (343) 371-24-76 , 371-57-59, mvkural@r66.ru , www.ural.mvk.ru , www.lesprom-ural.mvk.ru
21–25 May	Rooms Moscow / Moscow International Furniture Salon	Moscow, Russia	IEC Crocus Expo, Media Globe/ IEC Crocus Expo	+7 (495) 961-22-62, mmms@mediaglobe.ru , www.mmms-expo.ru
22–24 May	Lesdrevtekhn 2013	Minsk, Republic of Belarus	NVC Belexpo	+375 17-334-01-31, +375 17-334-03-42, forest@belexpo.by , www.belexpo.by
23–24 May	Lesprom	Sykttyvkar, Russia	KomiExpo, Chamber of Commerce and Industry of komi Republic / Center of international trade, Stephanovskaya Square	+7 (8212) 206-147, 206-100, komiexpo@tppkomi.ru , www.tppkomi.ru
29–31 мая	Forest. Woodworking. Wooden House Construction	Kirov, Russia	Vyatsky Bazar Plus / Vyatka Philharmonic Hall	+7 (8332) 58-30-60, 58-30-61, 58-45-22, vbazar-k@mail.ru , www.vbik.ru
4–8 June	STT/ Construction Engineering and Technologies	Moscow, Russia	Media Globe/ IEC Crocus Expo	+7 (495) 961-22-62, 961-22-67, info@mediaglobe.ru , ctt@mediaglobe.ru , www.mediaglobe.ru/ctt_exhibition/
5–8 June	Elmia Wood	Jongkoping, Sweden	Elmia AB	Tel +46 36 15 21 08, fax +46 36 16 46 96, www.elmia.se
25–27 June	Interles: Karelia-2013. Demo-fair of heavy forest machinery	Petrozavodsk, Russia	VO RESTEC® / State University of Petrozavodsk	+7 (812) 320-96-84, 320-96-94, 320-80-90, tdv@restec.ru , techles@restec.ru , www.interlesexpo.ru
28–29 June	All-Russian Furniture Summit	St.Petersburg, Russia	VO RESTEC®/ KC PetroCongress	+7 (812) 320-80-96, mebsummit@restec.ru , www.restec.ru
14–16 August	Woodworking. VI Regional Forum “Human and Forest-Kazan”	Kazan, Russia	OAo Kazan Trade Fair	+7 (843) 570-51-11, 570-51-23, kazanexpo@telebit.ru , www.woodexpokazan.ru
4–6 September	Wood Bioenergy	Jyvaskyla, Finland	Jyvaskylan Messut Ltd	+358 14 334 0000, info@jklmessut.fi , www.jklpaviljonki.fi
10–13 September	Tekhnodrev Siberia	Novosibirsk, Russia	VO «RESTEC®», Deutsche Messe / MVK «Novosibirsk Expocentre»	+7 (812) 320-96-84, 320-96-94, 320-80-90, tdv@restec.ru , techles@restec.ru , www.restec.ru/tekhnodrev/ , +49 511 89 34224, +49 511 89 31209, kim.grobe@messe.de , www.hfi.de , www.messe.de
10–13 September	ExpoDrev Furniture: Equipment. Fittings. Design Furniture and Interior Fair	Krasnoyarsk, Russia	VK Krasnoyarsk Fair / MVDC Siberia	+7 (391) 22-88-616, ralyuk@krasfair.ru , expodrev@krasfair.ru , www.krasfair.ru
11–14 September	FMC China 2013 - Furniture Manufacturing & Supply China	Shanghai, China	Shanghai World Expo Exhibition & Convention Center	+86-21-64371178; fax +86-21-64370982, William.yuan@ubmsinoexpo.com , www.fmcchina.com.cn
17–20 September	Forest management. Woodworking. Wooden house construction	Irkutsk, Russia	OAo Sibexpocenter/ VK Sibexpocenter	+7 (3952) 35-30-33, 35-43-47, sibexpo@mail.ru , www.sibexpo.ru
19–22 September	Yugexpofurniture. Woodworking. Interior. Comfort	Rostov-on-Don, Russia	VC VertolExpo	+7 (863) 280-08-07, dudka@vertolexpo.ru , www.vertolexpo.ru
24–27 September	ExpoFurniture-Ural	Yekaterinburg, Russia	MVK part of the ITE Group, and MVK Ural/ MVC Yekaterinburg-expo	+7 (343) 371-24-76 , 371-57-59, info@mvkural.ru , www.ural.mvk.ru
24–27 September	Lisderevmash 2013	Kiev, Ukraine	ACCO International/ MVC	+38 063 233 2560, olga@acco.kiev.ua , www.acco.ua
26 September	PAP-FOR Forum: Sustainability and Efficiency of Pulp and Paper of Russia 2013	Moscow, Russia	Reed Exhibitions / Moscow School of Management	+ 7 (495) 937 6862, Elizaveta.artemova@reedexpo.ru , www.papfor-forum.com
1–4 October	Woodworking-2013	Minsk, Belarus	ZAo Minskexpo/ Football Manezh	+375-17 226-91-93, 226-91-92, derevo@minskexpo.com , www.minskexpo.com
October	Wood Processing Machinery	Istanbul, Turkey	TUYAP Fair and Exhibitions Organization Inc.	+7 (495) 775-31-45, 775-31-47, tuyapmoscow@tuyap.com.tr , www.tuyap.com.tr
8–10 October	XV Petersburg International Forestry Forum	St.Petersburg, Russia	VO «RESTEC® / Lenexpo Exhibition Center	+7 (812) 320-96-84, 320-96-94, 320-80-90, tdv@restec.ru , wood@restec.ru , www.spiff.ru
8–10 October	Tekhnodrev. Transles. Wooden Construction. Regions of Russia	St.Petersburg, Russia	VO «RESTEC® / Lenexpo Exhibition Center	+7 (812) 320-96-84, 320-96-94, 320-80-90 tdv@restec.ru , techles@restec.ru , www.restec.ru/tekhnodrev/



15-17 May
2013

LESPROM-URAL
WOODEN HOUSE. WOODWORKING



24-27 September
2013

EXPOMEBEL-URAL
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Annual exhibitions in Urals (Russia)



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Dates for 2014:
Lesprom-Ural 21-23 May 2014
Expomebel-Ural 23-26 September 2014

Organiser: 

Date	Exhibition	City	Organizer/ Event Place	Contacts
8–10 October	MIFIC EXPO	St.Petersburg, Russia	VO «RESTEC® / Lenexpo Exhibition Center	+7 (812) 320 80 96, +7 (812) 635 95 04, focus@restec.ru , www.mificexpo.ru/index/
10–13 October	AgroTek	Moscow, Russia	Minselkhoz of Russia, Government of Russia/ VVC	+7 (495) 748-37-70, alex@mvcvvc.com , www.agrotechruussia.ru
15–18 October	SICAM 2013	Pordenone, Italy	Pordenone Exhibition Center	+39 02 86995712, info@exposicam.it , www.exposicam.it
15–18 October	Woodworking	Tyumen, Russia	OAo Tyumen Trade Fair/ Exhibition Hall	+7 (3452) 48-53-33, 41-55-72, fair@bk.ru , www.expo72.ru
16–19 October	Sibmebel	Novosibirsk, Russia	ITE Siberian Fair/ VC Novosibirsk Expocenter	+7 (383) 363-00-63, 363-00-36, abuhovich@sibfair.ru , www.sibfurniture.sibfair.ru
16–19 October	WOODDEX Siberia -2013	Novosibirsk, Russia	ITE Siberian Fair/ VC Novosibirsk Expocenter	+7 (383) 363-00-63, 363-00-36, abuhovich@sibfair.ru , www.woodex-siberia.ru
22–25 October	Wood-tec 2013	Brno, Czech Republic	Brno Exhibition Center	+420 541 151 111, www.wood-tec.cz
31 October – 3 November	Holzhaus	Moscow, Russia	MVK, Part of the ITE Group / VVC	+7 (495) 935-81-00, holzhaus@mvk.ru , www.holzhaus.ru
18–22 November	ZOW 2013	Moscow, Russia	VO RESTEC®, SURVEY Marketing + Consulting GmbH & Co. KG/ CVK Expocenter	+7(812) 320-80-96, 303-88-65, +7 (495) 544-38-36 zow@restec.ru , fidexpo@restec.ru , www.zow.ru ,
26–29 November	Woodex-2013	Moscow, Russia	MVK, Part of the ITE Group/ IEC Crocus Expo	+7(495) 935-81-00, Dorofeeva@mvk.ru , www.woodexpo.ru
27 November	Conference: OSB market in Russia. Demand, proposal, the main players	Moscow, Russia	LesPromInform magazine/ IEC Crocus Expo in frames of Woodex trade	+7 (812) 640-98-68, develop@lesprominform.ru , or@lesprominform.ru , www.lesprominform.ru
28 November	Conference: Innovative products based on laminated wood in construction activities	Moscow, Russia	LesPromInform magazine/ IEC Crocus Expo in frames of Woodex trade	+7 (812) 640-98-68, develop@lesprominform.ru , or@lesprominform.ru , www.lesprominform.ru
Autumn	Pulp-and-Paper in Russia and CIS 2013, conference	Vienne, Austria	Adam Smith Conferences	+44 (20) 7017 7339/ 7444, kamil@adamsmithconferences.com , www.adamsmithconferences.com
December	Russian forest 2013	Vologda, Russia	Forestry Department of the Vologda Region, VK Russky Dom / Russky Dom Exhibition Center	+7 (8172) 72-92-97, 75-77-09, 21-01-65 rusdom@vologda.ru , www.vkrusdom.ru/rusforest

NOTE! The plan of timber industry exhibitions and conferences for 2014 is under construction. You can see the plan at www.lesprominform.com in Exhibitions section after November 1, 2013.

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