

### FACT

ANGARA LES is a priority investment project in the field of forest development "Creation and modernization of complexes for deep processing of forests in the city of Kodinsk of the Krasnoyarsk Territory".

REGISTRATION

2017

2003 Karat LLC 2013 Karat Les LLC 2017 LLC Angara Les

Krasnoyarsk

SALES VOLUME

\$50 000 000

**LOGGING** 

650 000<sub>M3</sub>

KRASNOYARSK TERRITORY

KEZHEMSKY DISTRICT

Kodinsk

250 000<sub>M3</sub>

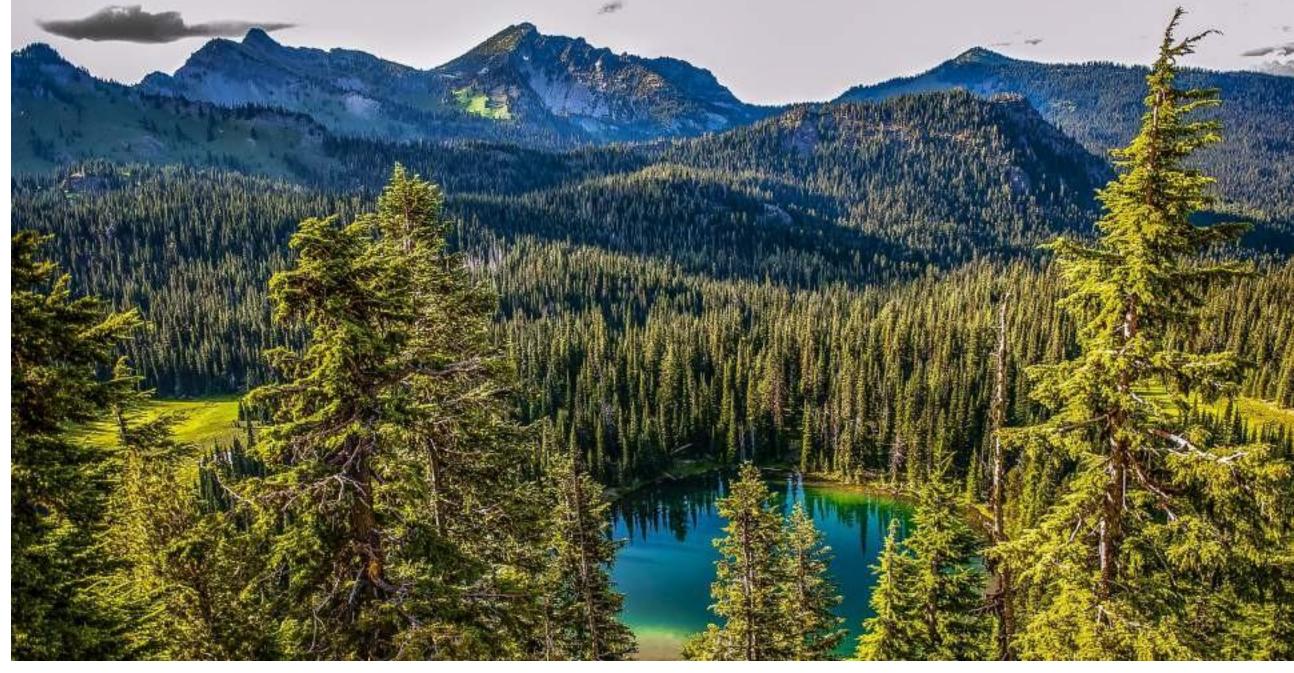
**MOULDINGS FACTORY** 

6 000<sub>M3</sub>

**PELLET PLANT** 

30 000<sub>TN</sub>

### PLANS HISTORY AND DEVELOPMENT



### 2003

The company Karat Les LLC was established, the main activity of which was the harvesting of sawn coniferous and deciduous species.

### 2017

The company "Angara Les" LLC was created. The investment project is included in the list of priority investment projects in the field of forest development.

### 2019

The production of lumber has begun. For the implementation of the project, the agency of the forest industry of the Krasnoyarsk Territory has transferred forest fund plots to a long-term lease.

### 2020

The company has reached its design capacity for the production of lumber.

### 2021

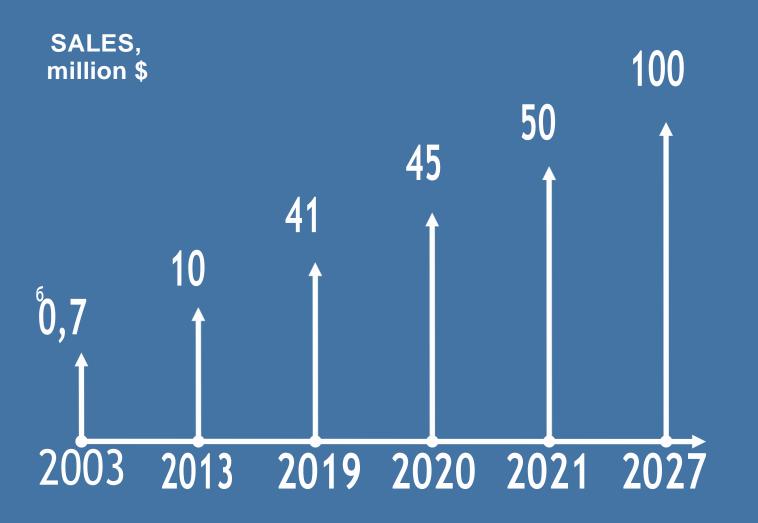
The production of fuel pellets and mouldings of OOO "Angara Les" has begun.

### 2022

The company has reached its design capacity for the production of pellets and molded products.

### **GROWTH TRAJECTORY**





### **PRODUCTION VOLUMES**

LOGGING- 1 000 000m3



SAWMILL- 400 000m3



INVESTMENT million \$

15

MOULDINGS- 12 000m3



PELLETS- 46 000tn



# ECHNOLOGIES TECHNOLOGIES

### THE FACTORY INSTALLED



LOG SORTING LINE





**SAWMILL LINE** 





AND BOILER ROOM



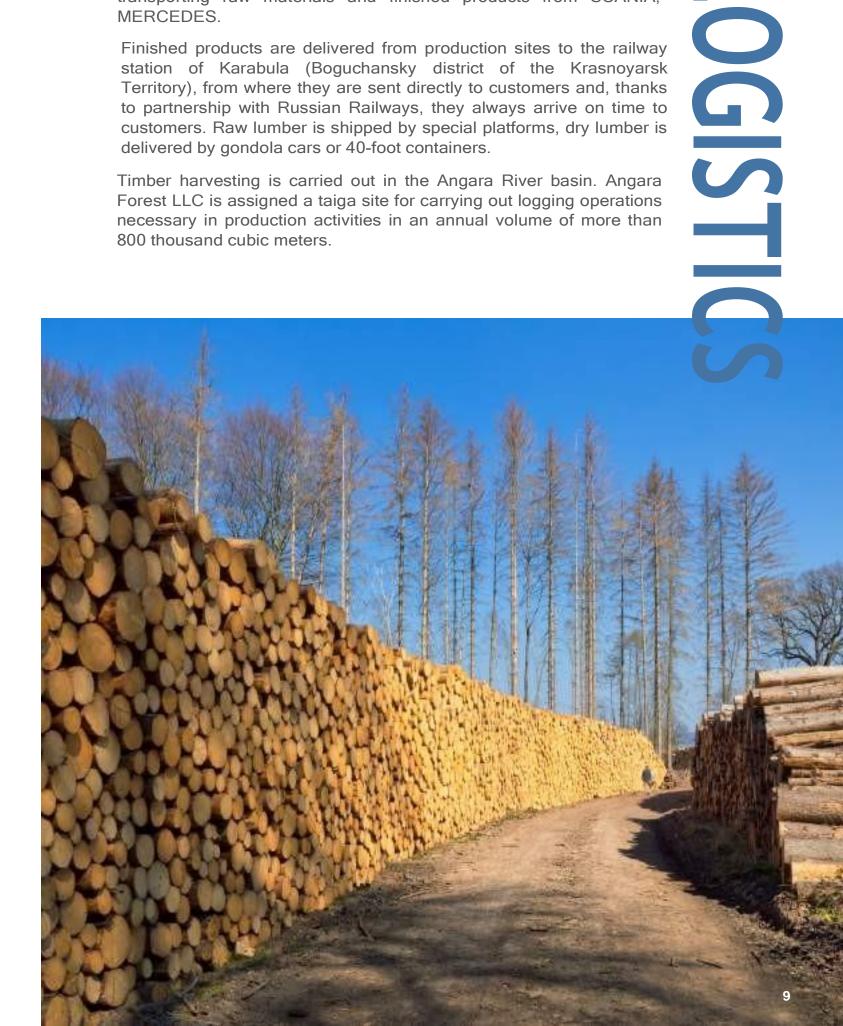
PELLET PLANT



The company uses its own fleet of special equipment from VOLVO, DOOSAN, KOMATSU and other world brands, as well as vehicles for transporting raw materials and finished products from SCANIA, MERCEDES.

Finished products are delivered from production sites to the railway station of Karabula (Boguchansky district of the Krasnoyarsk Territory), from where they are sent directly to customers and, thanks to partnership with Russian Railways, they always arrive on time to customers. Raw lumber is shipped by special platforms, dry lumber is delivered by gondola cars or 40-foot containers.

Timber harvesting is carried out in the Angara River basin. Angara Forest LLC is assigned a taiga site for carrying out logging operations necessary in production activities in an annual volume of more than 800 thousand cubic meters.





### THE SPECIES COMPOSITION OF THE WOOD USED BY LLC ANGARA LES:



### **ANGARSK PINE**

the ecotype of the common pine, the wood is hard and finely layered, due to the peculiarities of the climate. Thanks to the wide popularity of lumber made from its wood (strength, resistance to rot), Angarsk pine has become a unique Siberian brand. The tree reaches a height of fifty meters

### SIBERIAN LARCH

in terms of technical properties, larch wood surpasses wood of all other coniferous species. It has high mechanical properties, is not susceptible to rotting. She is very firm. It is used as a building material



The harvesting of the sawmill is carried out in a mechanized way. Logging production capacities allow harvesting up to 1 million tons. At the same time, all wood is used 100%.



### TYPES OF PRODUCTS

Timber harvesting is carried out in the Angara River basin. For LLC "Angara Les", a taiga site is assigned for the implementation of logging operations necessary in production activities in an annual volume of more than 800 thousand cubic meters. m. The harvesting of the sawmill is carried out in a mechanized way. At the same time, the company operates in a waste-free mode, all wood is used 100%.



### **LUMBER**

Edged lumber (pine, larch, spruce/ fir), GOST 26002-83, 8486-86 thickness from 17 mm to 50 mm, width from 78 mm to 225 mm.

The length of the lumber is from 3 meters to 6 meters. Humidity is 18-22%. Shipment in 40 ft. Containers and gondola cars by railway routes. From the stations of Karabula and Chunoyar, Krasnoyarsk Railway



### PLANED MOULDINGS

Japanese planed bar Taruki, Nuki, Extraction. Floorboard, clapboard, decking (corduroy, deck), imitation timber, block house.



### **FUEL PELLETS**

Pellets with a diameter of 6 mm and 8 mm of coniferous species. Certificate(EN+A1). Shipment in 20ft. Containers and Big Runs.



### TECHNOLOGICAL CHIPS

For the production of cellulose and as biofuel.



### LARCH BARK

Decorative and mulching material.



### THE ANGARA LES COMPANY CERTIFIES ITS PRODUCTS ACCORDING TO INTERNATIONAL STANDARDS: EN+A1 AND PEFC



Certificate of quality of fuel pellets (pellets).



This is the standard of responsible forest management and timber processing at all stages of production. The ideal certification scheme consists of a certified forest site and all subsequent stages of wood processing to the final consumer, referred to as supply chains.

### CERTIFICATES

## SOCIALLY RESPONSIBLE BUSINESS

«Angara Les is recognized as a city-forming enterprise, more employees are involved here than at the Boguchanskaya HPP, also located in the city of Kodinsk. The company pursues a policy aimed at providing jobs to the local population, supporting important social initiatives.

90% OF EMPLOYEES ARE RESIDENTS OF THE KEZHEMSKY DISTRICT, ATTRACTING YOUNG PROFESSIONALS, IMPROVING THE DEMOGRAPHIC SITUATION OF THE REGION

FREE TRAINING FOR STAFF, ADMISSION OF STUDENTS OF TECHNICAL SCHOOLS AND UNIVERSITIES OF THE KRASNOYARSK TERRITORY FOR INTERNSHIPS AND PERMANENT JOBS

SUPPORT OF HOSPITALS, SPORTS SCHOOLS, CREATIVE TEAMS OF THE CITY OF KODINSK. ASSISTANCE TO THE POOR, PENSIONERS AND LARGE FAMILIES

FUEL SUPPLY (WOOD CHIPS AND FUEL PELLETS) SETTLEMENTS AND MUNICIPAL BOILER HOUSES OF THE KEZHEMSKY DISTRICT

MAINTAINING THE OPERABILITY OF ROADS CONNECTING KODINSK WITH THE REGIONAL CENTER

PROTECTION FROM FOREST FIRES, FIREFIGHTING ON OWN AND ADJACENT FOREST PLOTS, ASSISTANCE IN EXTINGUISHING OTHER ENTERPRISES
FOREST INDUSTRY





OLEG HELYABIN HEAD OF THE CITY

"

The head of the city of Kodinsk, Oleg Viktorovich, said: "AngaraLes" I am a city-forming enterprise and the impact of the enterprise on the life of Kodinsk is serious and positive. important projects have been implemented for our district center. Angara Forest provides support to sports schools, children's groups, and low-income families. During the pandemic, Angara Forest LLC helped provide medical care by supporting a local hospital (providing the necessary medicines and devices). The company also helps in solving housing problems of young and poor families. In the future, when the OSB plant is launched, more than 400 new jobs will appear, which will undoubtedly have a positive impact on the life of the city and will help attract young people, as well as keep graduates from wanting to leave for other larger cities. It should be noted that the forest infrastructure of the district has improved, security has increased and, above all, the number of forest fires has decreased."

RELIABLE FOREIGN AND RUSSIAN EQUIPMENT

**ENVIRONMENTAL SAFETY** 

TTECHNOLOGICAL SAFETY

100% RESTORATION OF DEFORESTED AREAS

TRAINING OF PROFESSIONAL PERSONNEL

### SEEDLINGS

According to the decree of the Government of the Russian Federation of March 7. 2019

No. 244, when carrying out land reclamation activities in forest areas, it is allowed to use only planting material with a closed root system. Fulfilling this requirement, LLC "Angara forest" creates a nursery for growing coniferous species of trees and obtaining its own viable seedlings with ZKS. The survival rate of such planting material is 100%, which will ensure the restoration of the forests of the Angara region in the shortest possible time. Annual volume of seedlings growing 1.5 million pcs.

In the future, the nursery will become not just a place for forest seed work, but also a biosphere reserve, a place for training forestry employees, gaining knowledge about the forest for schoolchildren and students.



**ALEXANDER ONUCHIN DIRECTOR OF THE FSBI** 

FOREST Director of the V.N. Sukachev Institute of Forest of the Siberian Branch of the Russian Academy of Sciences A. A. Onuchin: woods. "Now the concept of intensification of reproduction and use of forests is being developed at the federal level. The Krasnoyarsk Territory is included in the list of pilot projects for this concept. Cutting down of mature forests intended for this purpose is not so terrible, it even helps to preserve the forest, preserve its species diversity, protect it from pests and natural, as well as fires caused by human activity. It is important to carry out the right reforestation measures (using seedlings with a closed root system), as well as to focus efforts together with scientific laboratories, pay great attention to the training of young specialists in the field of forest management."



