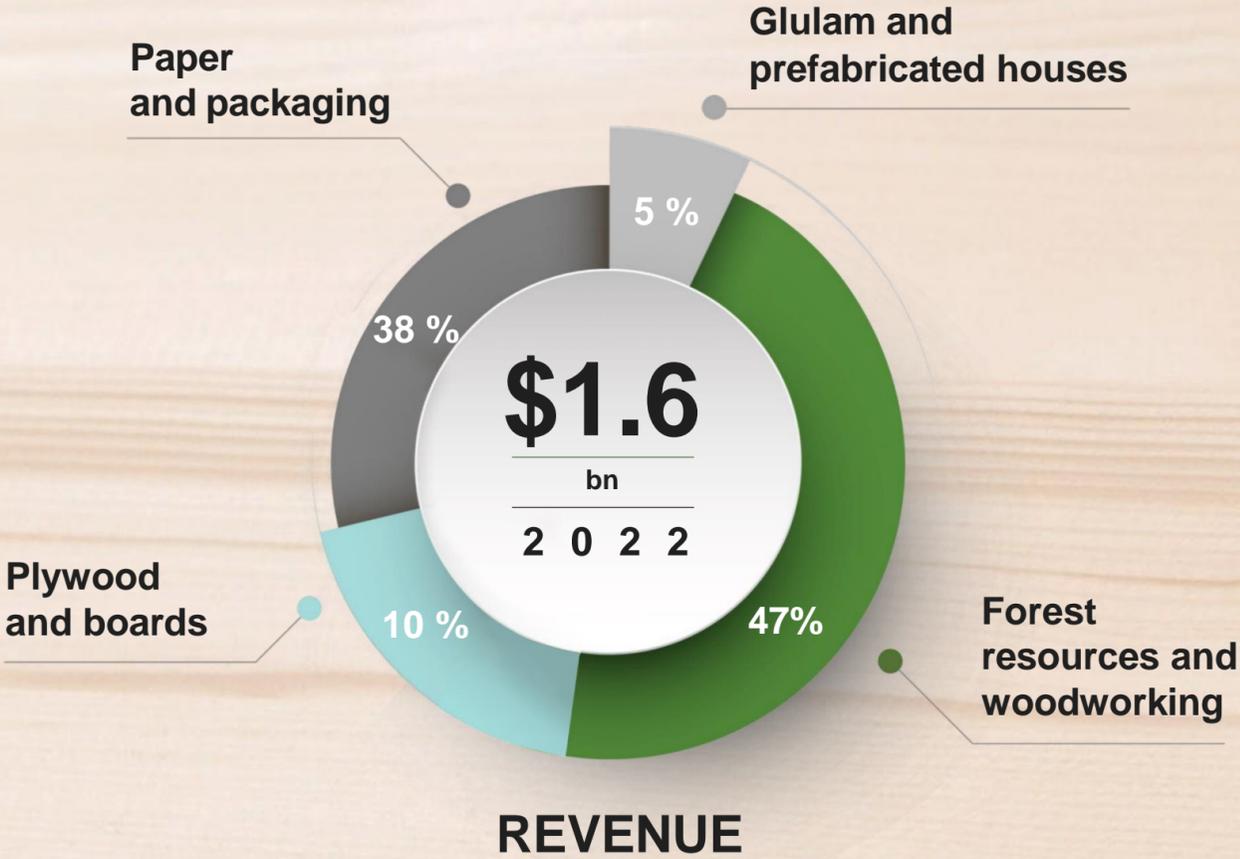




SAWN TIMBER

WE WILL SURROUND YOU WITH NATURE

A leading international wood and paper holding company



- No.1** in Russia
in the production of paper sacks
- No.2** in the world
in the production of paper for multilayer bags
- No.3** in Europe
in sawn softwood production capacity
- No.3** in the world
in the production capacity of birch plywood
- No.1** in Russia
in the production capacity of glulam and prefabricated houses

RAW MATERIAL SAFETY

23,3 mln m³
Annual allowable cut at the end of 2021

8,3 mln m³
Own logging

> 94%
of the needs are covered by our own logging facilities

Segezha Group's sawn timber business in 2022

OPPORTUNITIES

- Global lack of raw materials
- Stable growth in demand
- Environmental regulations
- CO2 neutral building program, transition to a “low-carbon future”
- Growth in the supply rate from Russia

TYPES OF TREES used in the production



European
pine



European
spruce



Angara
pine



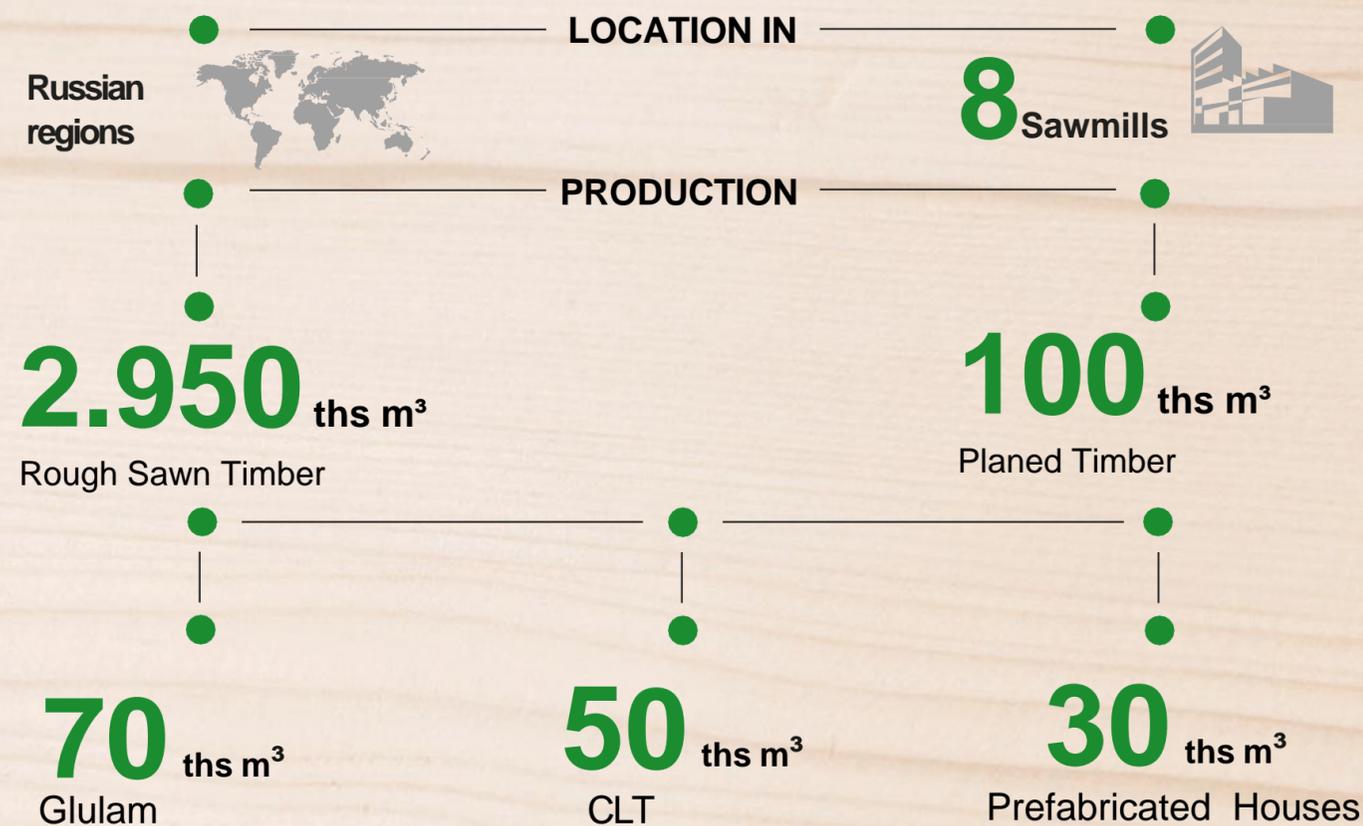
Siberian
Spruce



Larch

SEGEZHA'S POSITION IN SAWN TIMBER INDUSTRY

No1 IN RUSSIA

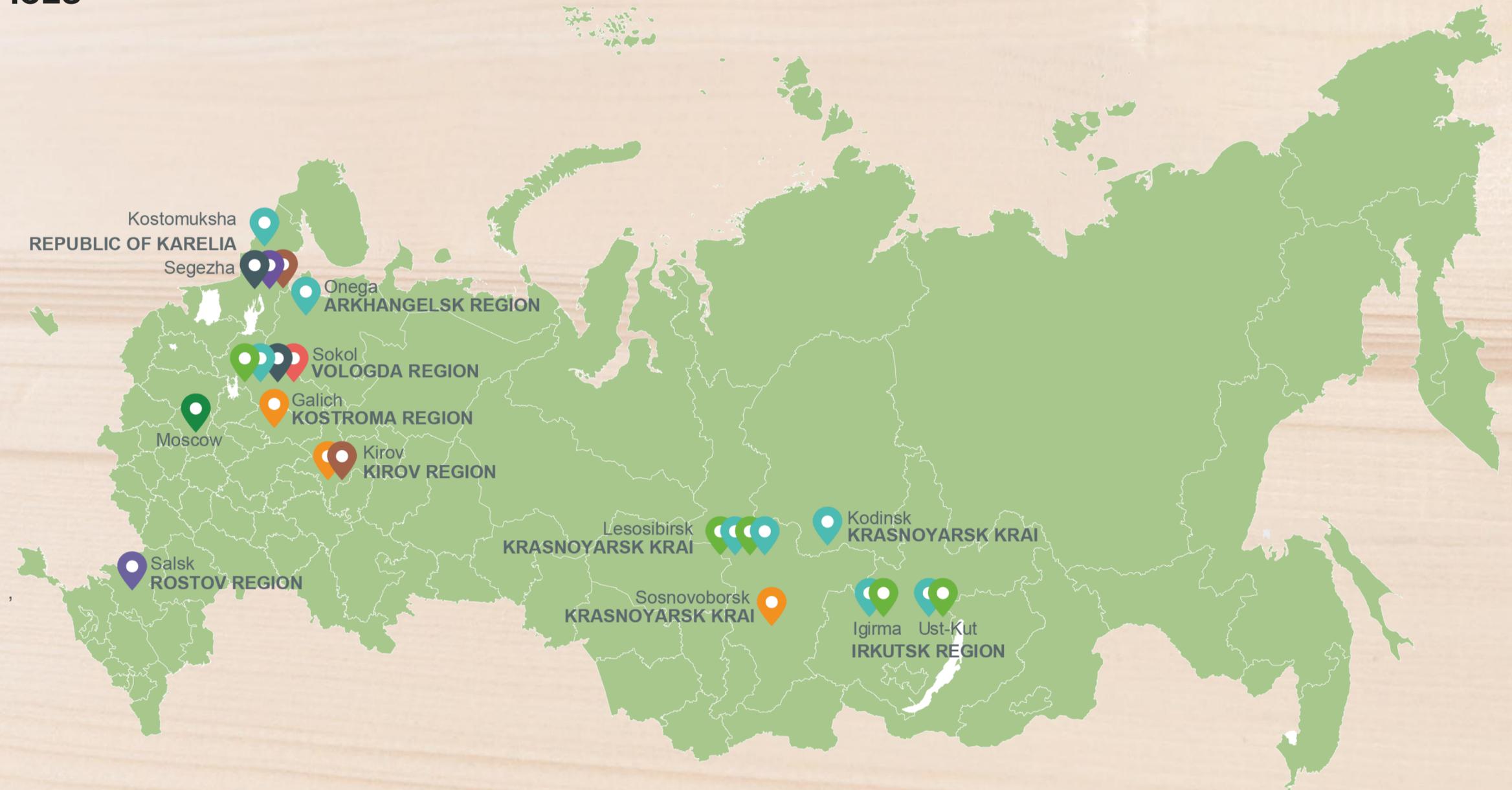


Global Reach

Segezha Group is a unique Russian timber holding company with a full cycle of its own logging and specialization in the production of a wide range of high-margin products. The group is one of the largest forestry companies in the world. The annual allowable cut is 22.7 million cubic meters. Business stability is guaranteed by the high degree of self-sufficiency in raw materials, as 84% of the company's raw material needs are covered by its resources.

REGIONAL REP AND SALES OFFICES

 <p>Wood processing plant</p>	 <p>Pellet plant</p>
 <p>CLT CLT Glulam Prefabricated houses</p>	 <p>Plywood production</p>
 <p>Pulp and paper mills</p>	 <p>Production of paper bags</p>
 <p>R&D Innovation centres</p>	 <p>Sales offices</p>

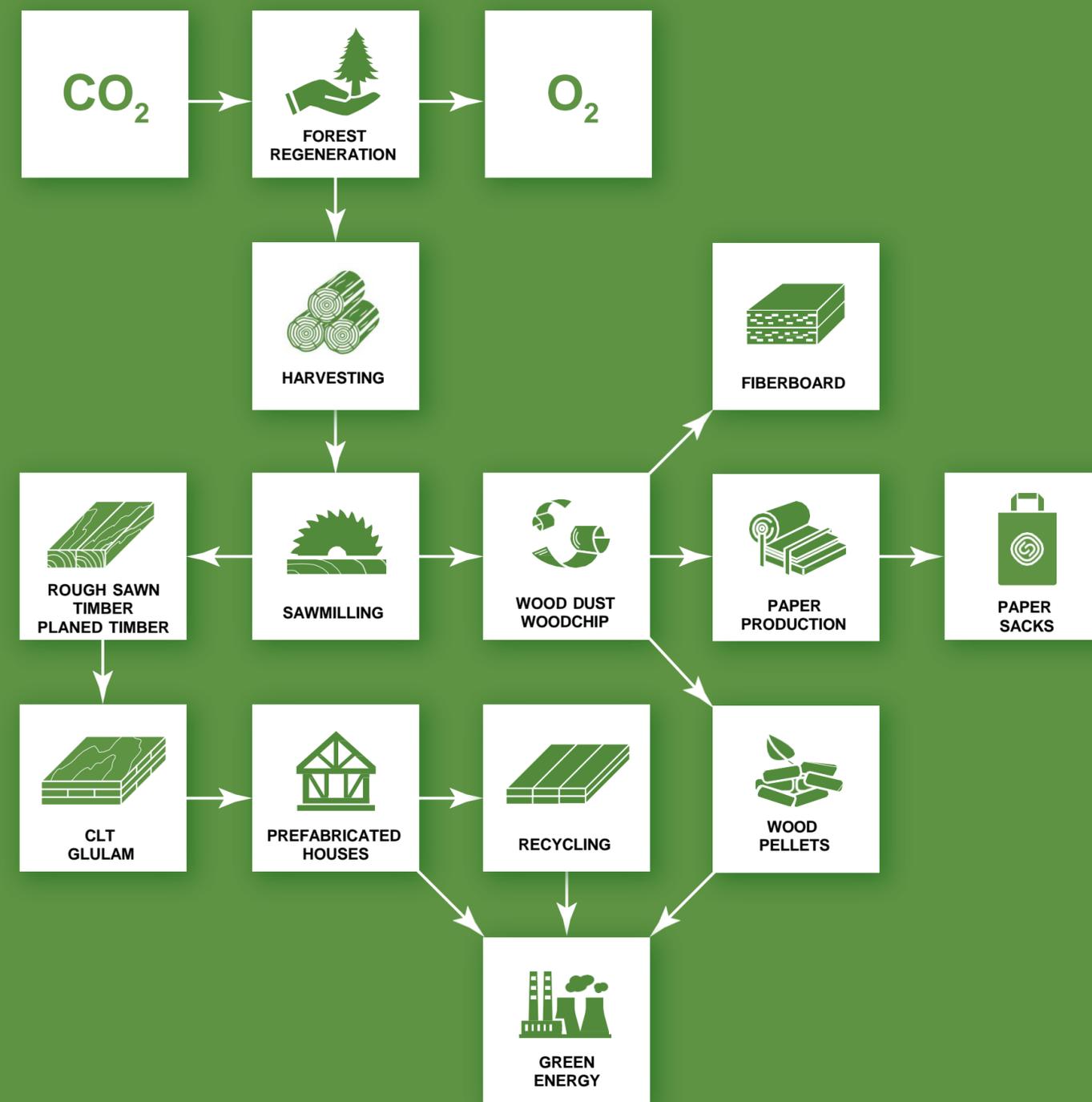


Environmental sustainability of production

Segezha Group's products are characterized by consistently high quality achieved by the use of natural wood, a state-of-the-art production process, and control of all stages of the production process

SEGEZHA'S SAWN TIMBER ADVANTAGES

- Wide range of species, length & cross-sections
- High quality product
- Compliance with international certification systems
- Flexible logistics
- Own supply of raw materials
- Only lawfully harvested high quality and eco-friendly timber

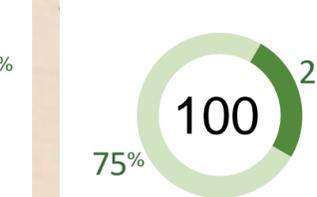
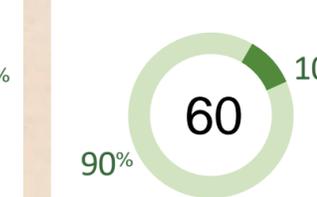
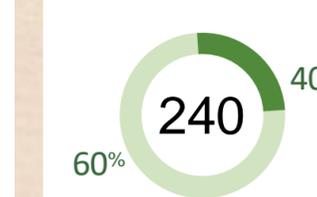
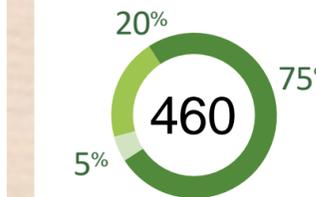
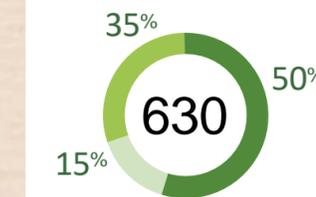
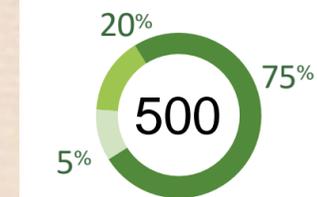
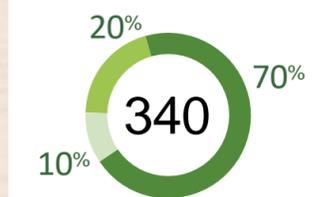
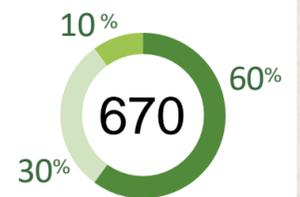


Russian timber holding with a full cycle of waster-free and complex use of timber. A responsible tenant increasing forest restoration operations year by year

Sawmill facilities



Mill	1	2	3	4	5	6	7	8
Region	Krasnoyarsk Krai	Krasnoyarsk Krai	Irkutsk Region	Irkutsk Region	Krasnoyarsk Krai	Arkhangelsk Region	Vologda Region	Karelia
Logistics	By rail By sea	By rail By sea	By rail By sea	By rail By sea	By rail By sea	By rail By sea	By rail By sea By road	By rail By sea
Rough sawn timber (th m ³)	670	340	500	630	460	240	60	100
Planned Sawn Timber (th m ³)	25	-	-	60	-	-	5	15
Pellets (th t)	105	50	60	100	-	-	55	-



Species portfolio

European spruce



EUROPEAN SPRUCE

- light wood
- dries well
- easy to process
- has a smooth and clean surface when processed correctly
- easy to paint and laminate
- widely used in the production of joinery and structural elements



European pine



EUROPEAN PINE

- the quality and properties of the timber are affected by climatic conditions and the region of origin
- the smooth surface of pine is easy to process and laminate
- widely used in construction, furniture production and joinery



Angara pine



ANGARA PINE

A valuable species growing in the Angara River basin. Angarsk pine timber is widely used in construction and finishing. Its properties are affected by the natural conditions of the region:

- high strength and density
- resistance to rot
- beautiful appearance: few knots and a light golden color. Over time, it acquires a reddish hue due to its resin content



Siberian larch



SIBERIAN LARCH

Siberian larch is a unique, valuable species growing in of Siberia. Its distinctive properties:

- a long service life
- resilience against harmful external factors and physical damage
- the cut has a perfect surface with virtually no knots or blemishes

Larch timber is considered one of the most durable and reliable types of timber. It is used to produce building and finishing materials.



Siberian spruce



SIBERIAN SPRUCE

Siberian spruce is a valuable species growing in the regions of Siberia. Its wood:

- almost white in color
- soft and easy to process
- with clearly defined annual rings and relatively low resin content
- dries quickly, without cracking or warping
- used for construction and the production of furniture and decorative materials



Rough Sawn Timber

Segezha Group's sawmills specialize in their own unique timber base and have their own approach to products grading, logistic scheme and sales geography



SPECIES:

European spruce, European pine, Angara pine, Siberian larch, Siberian spruce

GRADING RULES: TECHNICAL REQUIREMENTS BASED ON

- Scandinavian grading rules "Nordic Timber"
- GOST 26002-83
- GOST 8486-86

MOISTURE CONTENT:

- Kiln Dried 10-16%
- Kiln Dried 18-22%

PRODUCT SIZES:

Thickness (mm)
16-75

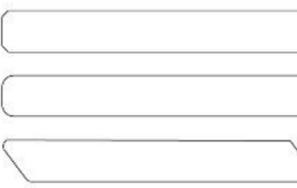
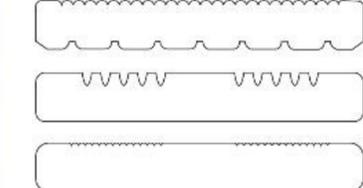
Width (mm)
75-225

Length (m)
2,7 – 6,0 (step 0,3), 4,0 m

LOGISTIC OPPORTUNITIES:

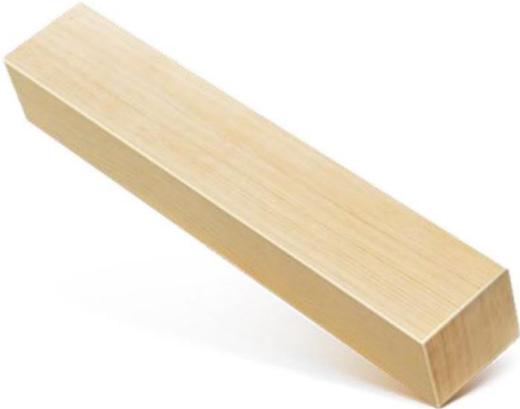
- By railway
- By trucks
- 40' containers (multimodal shipment to the port of destination)
- Bulk shipment from the sawmill

Profile timber and construction elements (S4S)

SMOTH PLANING (S4S)	CLADDING	CLADDING	CLADDING	PLANKEN	DECKING	FLOORING
						
SORTING						
GOST26002-83, 8486 Grades SF, C; 1 - 3, 4, N Moisture content .. 14-20%	GOST 26002-83, 8486 Grades SF, C; 2, 3, 4, N Moisture content12-20%	GOST26002-83, 8486 Grades SF, C; 2, 3, 4, N Moisture content12-20%	GOST26002-83, 8486 Grades SF, C; 2, 3, 4, N Moisture content .. 14-20%	GOST26002-83, 8486 GradesSF, C; 1-3, 4, N Moisture content .. 14-20%	GOST26002-83, 8486 GradesSF, C; 1-3, 4, N Moisture content .. 14-20%	GOST26002-83, 8486 GradesSF, C; 1-3, 4, N Moisture content .. 12% ± 2
DIMENSIONS						
Thickness 12 - 48 mm Width 70 - 148 mm Length 3.0 - 6.0 m	Sizes12.5 * 9612-16 * 64-90 mm Length 3.0 - 6.0 m	Sizes 14 - 16 * 120 - 144 16 * 80 - 90 mm Length 3.0 - 6.0 m	Thickness 16 - 20 mm Width 120 - 144 mm Length 3.0 - 6.0 m	Thickness 16 - 22 mm Width 90 - 195 mm Length 3.0 - 6.0 m	Thickness 27 mm Width142, 145 mm Length 3.0 - 6.0 m	Thickness 20 - 45 mm Width 90 - 144 mm Length 3.0 - 6.0 m
PROFILE						
						
SPECIES						
Larch, spruce	Larch, spruce	Larch, spruce	Larch, spruce, pine	Larch, spruce, pine	Larch, spruce	Larch, spruce, pine

Sawn timber for Japan

Taruki



Processing
Species
Grading

planed
pine
A/B, S/P, N

Thickness (mm) 30-38
Width (mm) 35-40
Length (mm) 3 985

Moisture content 16-18 (KD) %

Doubuchi



Processing
Species
Grading

planed
pine
A

Thickness (mm) 16
Width (mm) 40
Length (mm) 3 985

Moisture content 16-18 (KD) %

Genban



Processing
Species
Grading

rough
pine
A/B

Thickness (mm) 30, 35, 40, 57, 60
Width (mm) 126, 129, 132,
165, 172, 198,
215, 231, 258
Length (mm) 2 985 - 4 000

Moisture content 16-18 (KD) %

Lamina



Processing
Species
Grading

rough
pine
SF (ABC)

Thickness (mm) 30, 34
Width (mm) 110, 112
Length (mm) 3 000 – 6 000
(step 300)

Moisture content 12 (KD) %

LESOSIBIRSKIY LDK NO.1, Krasnoyarsk region

Product, capacity

Rough
sawn timber

670 th m³

Planned
sawn timber

25 th m³

Wood pellets

105 th t

Species



Angara pine

60%



Spruce/fir

30%



Siberian larch

10%

Kind of transport

- Sea route
- Automobile transport
- Railway transport

Traditional sales geography

- China
- MENA (Egypt)
- Germany
- Denmark
- Belgium
- France



Production sizes

mm	25	27	32	33	38	47	50
75							
100							
125							
150							
200							

PACKAGING

Sawn timber is packed into:

- polypropylene film;
- same length board packages;
- maximum packages dimensions: 1150*1150 mm;
- half-packages (550*1100 mm)

* The sawn timber is produced in accordance with technical requirements based on Russian grading rules (GOST 26002-83 and 8486-86)

Marking

Grading*

★★ LE

U/S

★ LE

IV

-LE

V

▼ LE

SF (I-IV)/SF (I-V)

■

Domestic

Moisture content, %
max 22%

Length, m:
2,7-6,0 (step 0,3)

SHIPMENT

Main volume of the sawn timber is shipped from the mill by rail in railway wagons or 40' sea containers:

- to the customer directly;
- to a port followed by loading by vessels in bulk or in containers to the port of destination.

NOVOYENISEISKY WCC, Krasnoyarsk region

Product, capacity

Rough sawn timber

340 th m³

Wood pellets

50 th t

Species



Angara pine

70%



Spruce/fir

10%



Siberian larch

20%

Production sizes



Marking

Grading*

★★ NE	U/S
★ NE	IV
-NE	V
SFNE	SF (I-IV)/SF (I-V)
	Domestic

Moisture content, %
max 22%

Length, m:
2,7-6,0 (step 0,3)

Kind of transport

- Sea route
- Automobile transport
- Railway transport

Traditional sales geography

- China
- MENA (Egypt)
- Germany
- Denmark
- Belgium
- France



PACKAGING

Sawn timber is packed into:

- polypropylene film;
- same length board packages;
- maximum packages dimensions: 1150*1150 mm;
- half-packages (550*1100 mm)

SHIPMENT

Main volume of the sawn timber is shipped from the mill by rail in railway wagons or 40' sea containers:

- to the customer directly;
- to a port followed by loading by vessels in bulk or in containers to the port of destination.

* The sawn timber is produced in accordance with technical requirements based on Russian grading rules (GOST 26002-83 and 8486-86)

TIMBERTRANS, Irkutsk region

Product, capacity

Rought sawn timber

500 th m³

Moisture content, %
KD 18-22%

Length, m:
2,7-6,0 (step 0,3)

Marking

Grading*

☆☆☆	U/S
☆☆	IV
☆	V
■	Domestic

Species



Angara pine

70%



Spruce/fir

5%



Siberian larch

25%

Production sizes

mm	22	23	25	26	27	28	31	32	33	34	35	36	37	38	40	42	47	50	63	65	66	68	
100																							
116																							
120																							
125																							
135																							
140																							
150																							
165																							
175																							
200																							
225																							
250																							



- Traditional sales geography**
- CIS
 - Europe
 - Russia
 - China
 - MENA
 - India
 - Korea

- Kind of transport**
- Sea route
 - Railway transport

PACKAGING

- Sawn timber is packed into:
- polypropylene film;
 - same length board packages;
 - maximum packages dimentions: 1200*1350 mm;

SHIPMENT

- 100% of the sawn timber is shipped ex works
- by rail in railway wagons or 40' sea containers:
 - to the customer directly;
 - to a port followed by loading on ships in bulk or in containers port of loading;
 - to destination stations, with further transportation by the Buyer's vehicle to the country of destination.

TAIRIKU-IGIRMA GROUP, Novaya Igirma

Product, capacity

Rough sawn timber

630 th m³

Moisture content, %
KD max 22%

Length, m:
2,99-4,0

PACKAGING

Sawn timber is packed into:
- polypropylene film;
- same length board packages;
- maximum packages dimensions: 1350*1350 mm;

SHIPMENT

100% of the sawn timber is shipped ex works by rail in railway wagons or 40' sea containers:
- to the customer directly;
- to a port followed by loading on ships in bulk or in containers port of loading

Grading in accordance with:
• GOST 26002-83
• GOST 8486-86
• Technical requirements

Species



Angara pine

50%



Spruce/fir

15%



Siberian larch

35%

Production sizes

mm	16	19	20	21	23	25	27	28	30	32	33	37	38	39	40	43	46	50	60	63	
75																					
90																					
95																					
100																					
115																					
120																					
125																					
127																					
130																					
133																					
135																					
145																					
148																					
150																					
155																					
167																					
170																					
175																					
195																					
200																					
203																					



PRIANGARUE TIMBER MILL, Krasnoyarsk Krai

Product, capacity

Rough
sawn timber

460 th m³

Species



Angara pine

75%



Spruce/fir

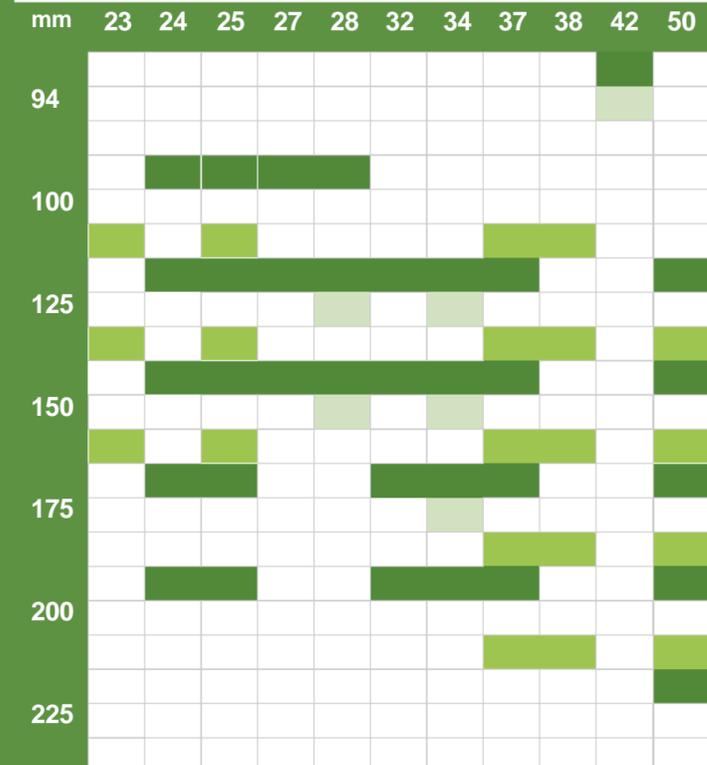
5%



Siberian larch

20%

Production sizes



Marking

Grading*

★★ PLPK

U/S

★ PLPK

IV

-PLPK

V

Moisture content, %
KD 16-18%

Length, m:
2,7-6,0 (step 0,3)

Kind of transport

- Sea route
- Railway transport

Traditional sales geography

- China
- MENA
- CIS
- Europe
- Russia



PACKAGING

- Sawn timber is packed into:
- polypropylene film;
 - same length board packages;
 - maximum packages dimensions: 1200*1250 mm;

* Grading in accordance with:

- GOST 26002-83
- GOST 8486-86
- Technical requirements

SHIPMENT

- 100% of sawn timber is shipped from railway sidings located at a distance of 180 km from the plant, by rail:
- to the customer directly;
 - to a port followed by loading on ships in bulk or in containers port of loading;
 - to destination stations, with further transportation by the Buyer's vehicle to the country of destination.

ONEGA SAWMILLS, Arkhangelsk Region

Species



Whitewood
Spruce
60%



Redwood
Pine
40%

Product, capacity

Rought sawn timber

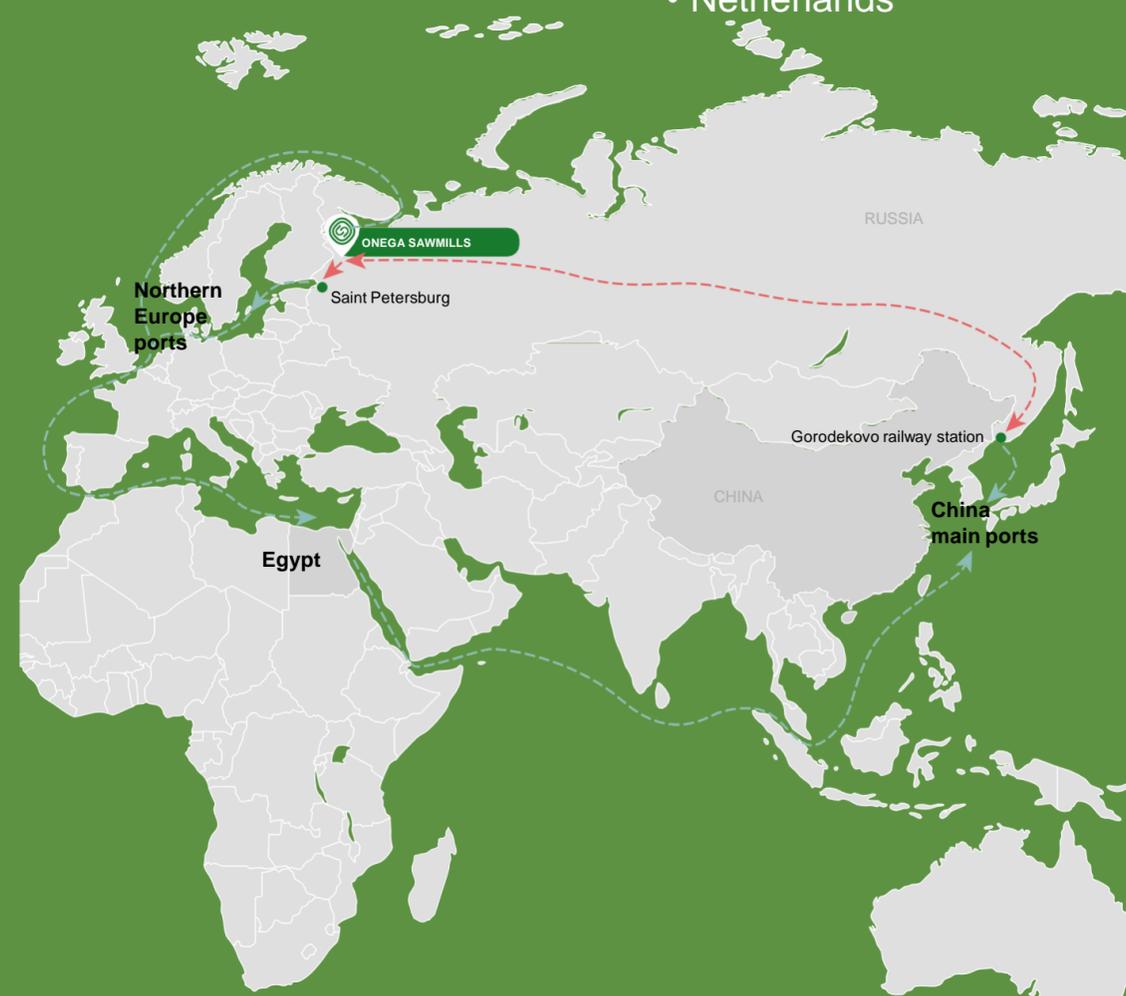
240 th m³

Kind of transport

- Sea route
- Automobile transport
- Railway transport

Traditional sales geography

- China
- Korea
- UK
- Netherlands
- Belgium
- France
- MENA



Production sizes

mm	19	22	25	32	38	44	47	50	63	75
100										
125										
150										
175										
200										
225										

PACKAGING

Lumber is packed:
- Five-sided plastic packages of one length (LP).

Marking

Redwood
Whitewood*

ONEGA+	SF (ABC)
-ONEGA-	D
I	Domestic

Moisture content, %
max 22%

Length, m:
2,7-6,0 (step 0,3)

SHIPMENT

Shipment from the plant

1. By bulk vessels:
 - directly from the plant in the period from the beginning of May to the end of December;
 - from Arkhangelsk in the period from January to March.
2. In containers.

* Sawn Timber is produced in accordance with technical requirements based on Scandinavian rules "Nordic Timber"

SOKOL TIMBER COMPANY, Vologda Region

Species



Redwood Pine
10%



Whitewood Spruce
90%

Product, capacity

Rought sawn timber

60 th m³

Pellets

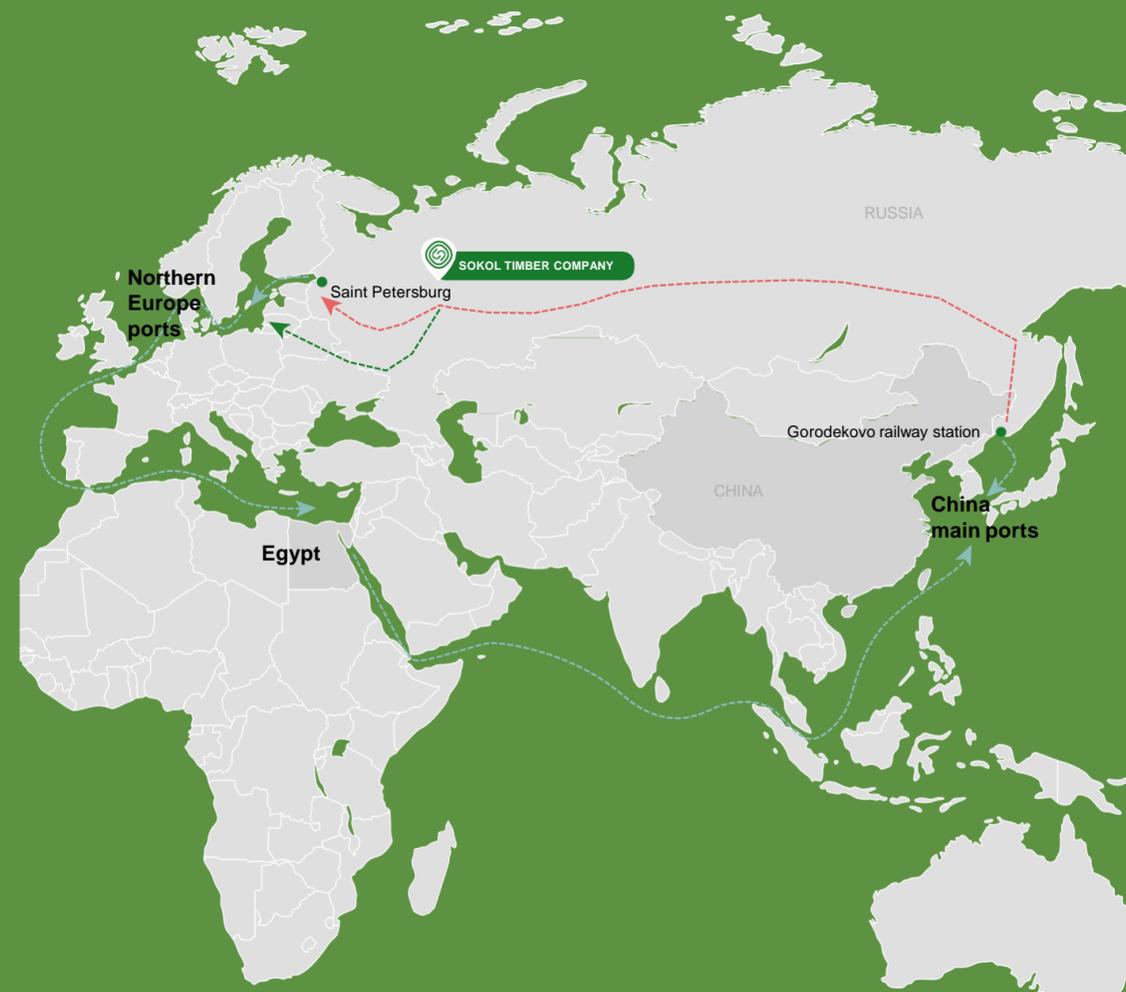
50 th t

Kind of transport

- Sea route
- Automobile transport
- Railway transport

Traditional sales geography

- China
- Egypt
- South Korea



Production sizes

mm	15	16	18	19	22	24	25	27	28	30	32	38	42	44	47	48	50
75																	
98																	
100																	
1231																	
25																	
148																	
150																	
175																	
198																	
200																	

Moisture content, %

18% (+/-2)

Length, m:

2,7-6,0 (step 0,3)

PACKAGING

Lumber is packed:

- in polyethylene film;
- in packs with boards of a one length (1LP);
- maximum bag size is 1100*1100 mm;
- in half-packs(550*1,100 mm);
- in quarter-packs(275-1,100 mm).

SHIPMENT

1. By truck directly from the plant (FCA/CPT delivery terms).
2. In containers from St. Petersburg.
3. In containers from the plant (Sukhona station)

* Sawn Timber is produced in accordance with technical requirements based on Scandinavian rules "Nordic Timber"

KARELIAN WOOD COMPANY, Karelia

Species



Redwood Pine
75%



Whitewood Spruce
25%

Product, capacity

Rought sawn timber

100 th m³

Planed Timber

15 th m³

Kind of transport

- Sea route
- Automobile transport
- Railway transport

Traditional sales geography

- Finland
- Estonia
- Latvia
- China ports
- Alexandria. Egypt
- Northern Europe ports



Production sizes

mm	15	16	18	19	22	24	25	27	28	30	32	38	42	44	47	48	50
75																	
96																	
98																	
100																	
110																	
123																	
125																	
148																	
150																	
175																	
198																	
200																	

Moisture content, %

10-18% (+/-2)

Length, m:

2,7-6,0 (step 0,3)

PACKAGING

- Lumber is packed:
- in polyethylene film;
 - in packs with boards of a one length (1LP);
 - maximum bag size is 1100*1100 mm;
 - in half-packs(550*1,100 mm);
 - in quarter-packs(275-1,100 mm).

SHIPMENT

- Shipment from the plant
1. By truck from the plant's warehouse.
 2. By truck to the port of St. Petersburg with further shipment by sea in containers / as bulk and by railway.

* Sawn Timber is produced in accordance with technical requirements based on Scandinavian rules "Nordic Timber"

Wood pellets



Segezha's Wood Pellets specification

370 thousand tons

ANNUAL CAPACITY

100%

NATURAL FUEL MADE FROM SAWDUST

Wood pellet plants

- Lesosibirsky LDK No.1
- TimberTrans
- Tairiku-Igirma Group
- Sokol Timber Company

- Novoyeniseiskiy WCC

Parameters	Value	
Diameter	6 - 8 mm	8 mm
Length	3,15 < L < 40 mm	5 < L < 50 mm
Bulk density	600 - 750 kg/m ³	
The minimum calorific value	>17 GJ/tonne	>16 GJ/tonne
Moisture content	<10%	
Ash content	<0,7%	
Shipping methods	20-foot containers, trucks	20-foot containers
Packing methods	Big bags, in bulk	

The general contractor for the group's projects and the supplier of all the equipment is Hekotek.

Pellets are produced from sawdust – a side product of softwood sawn timber manufacturing. It enables Segezha Group to arrange waste-free production within its industrial facilities while launching the supplies of the biofuel for the customers.

Areas of application

Individual approach to each customer

Softwood sawn timber holds a leading position in the contemporary sawn timber market as coniferous wood is notable for its high strength and resistance to external damage owing to the high gum content, and has a beautiful natural wood grain. The areas of sawn timber application depend on which wood species it is, moisture content and dimensions

Wood processing



Furniture and packaging



Construction



Three main areas of sawn softwood application



Wood processing



Construction



Furniture and Packaging

- Wood processing includes production of planed profiles such as floor boards, decking, lining, furniture dimension blanks, semi-finished parts for production of laminated wood structures.
- Sawn timber is used as construction material, inter alia for its guaranteed strength characteristics, in the production of bearing structure parts, moulding.
- One of the application area for timber is furniture production. Tables and chairs, beds and sofas, kitchen and bedroom sets, wardrobes are made of wood.

**LET'S MAKE
BUSINESS TOGETHER**

infotimber@segezha-group.com



segezha
group

segezha-group.com