



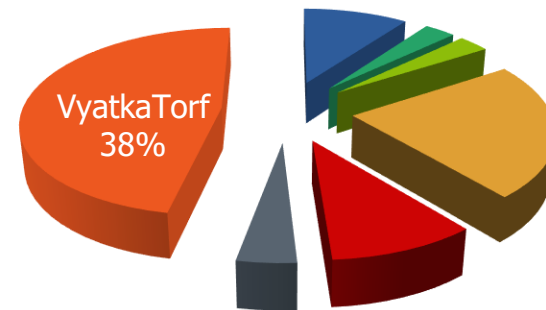
VyatkaTorf JSC

VyatkaTorf JSC at a Glance

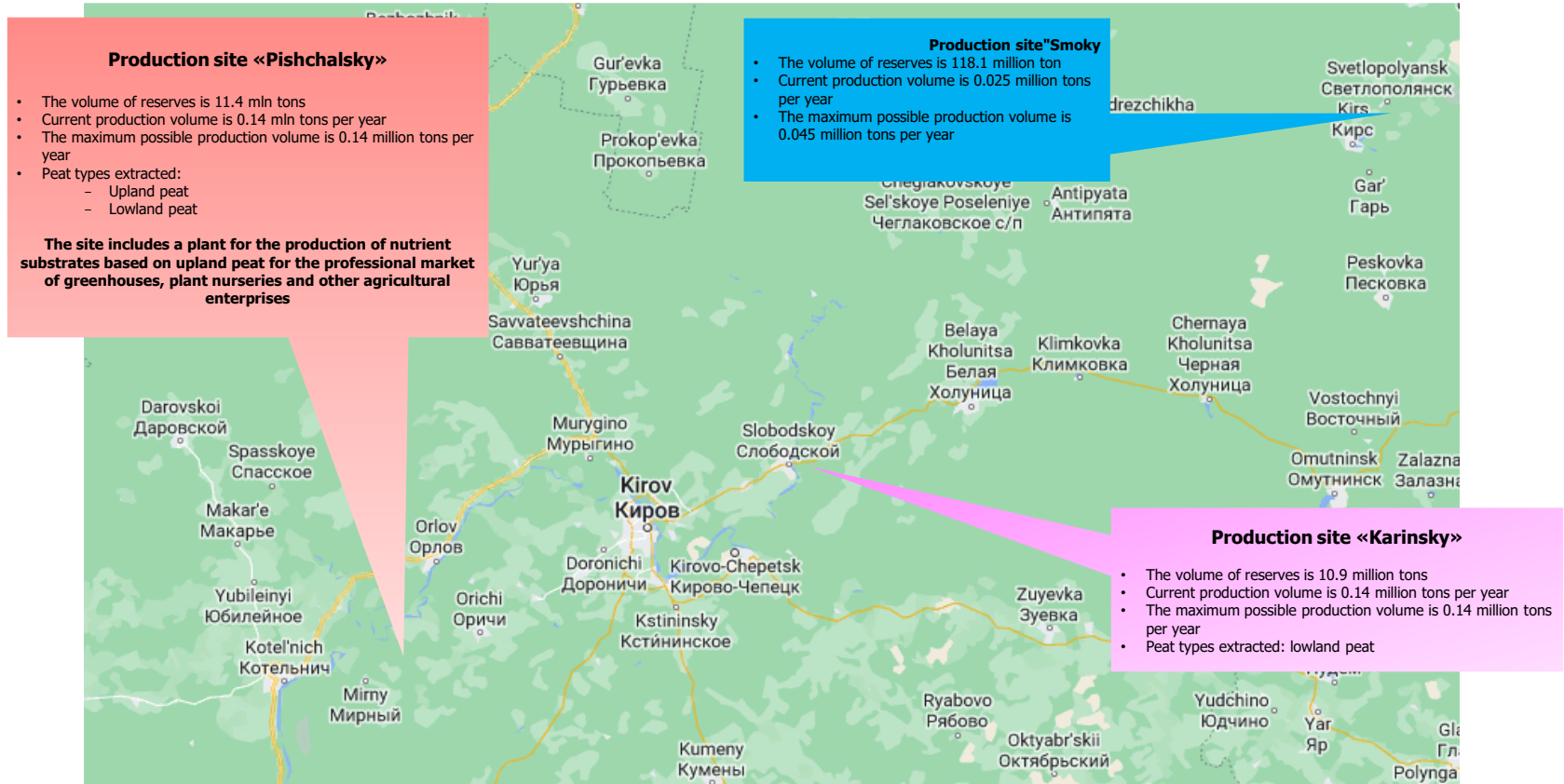
About company

- The largest peat-mining company in the Russian Federation
- The Company consists of three production sites
- The Company operates more than 900 units of machinery
- Active development of 1,700 hectares of production areas, with licensed reserves of more than 150 million tons of peat
- The Company employs more than 400 people

Peat mining in Russia in 2023



Location of peat mining fields



Product Description

Peat substrate is the base that will enable you to control the process of growing plants in order to maximize the yield of a high quality crop. Peat can be supplied with an initial degree of acidity (acidic) and neutralized. Neutralized peat is prepared with the addition of limestone flour to neutralize the increased acidity.

Benefits for efficient crop growth:

- Reduces irrigation and mineral additives costs
- High air permeability (up to 95%)
- High sorption capacity
- High natural acidity ph from 2.5 to 4.0 has antiseptic properties
- Fractions: 0-10 mm, 0-20 mm, 0-40 mm



Fraction 0-10

It is used for sowing seeds and growing seedlings of coniferous plants, as during this period the plants have an undeveloped, small root system that requires a tighter fit.



Fraction 0-40

Use for shrubs (including cranberries, blueberries, and others)



Fraction 0-20

Used for plants with small root systems (strawberries, vegetable crops, indoor ornamental plants)



Fraction 20-40

Used for growing blueberries can be used as animal bedding, mulch

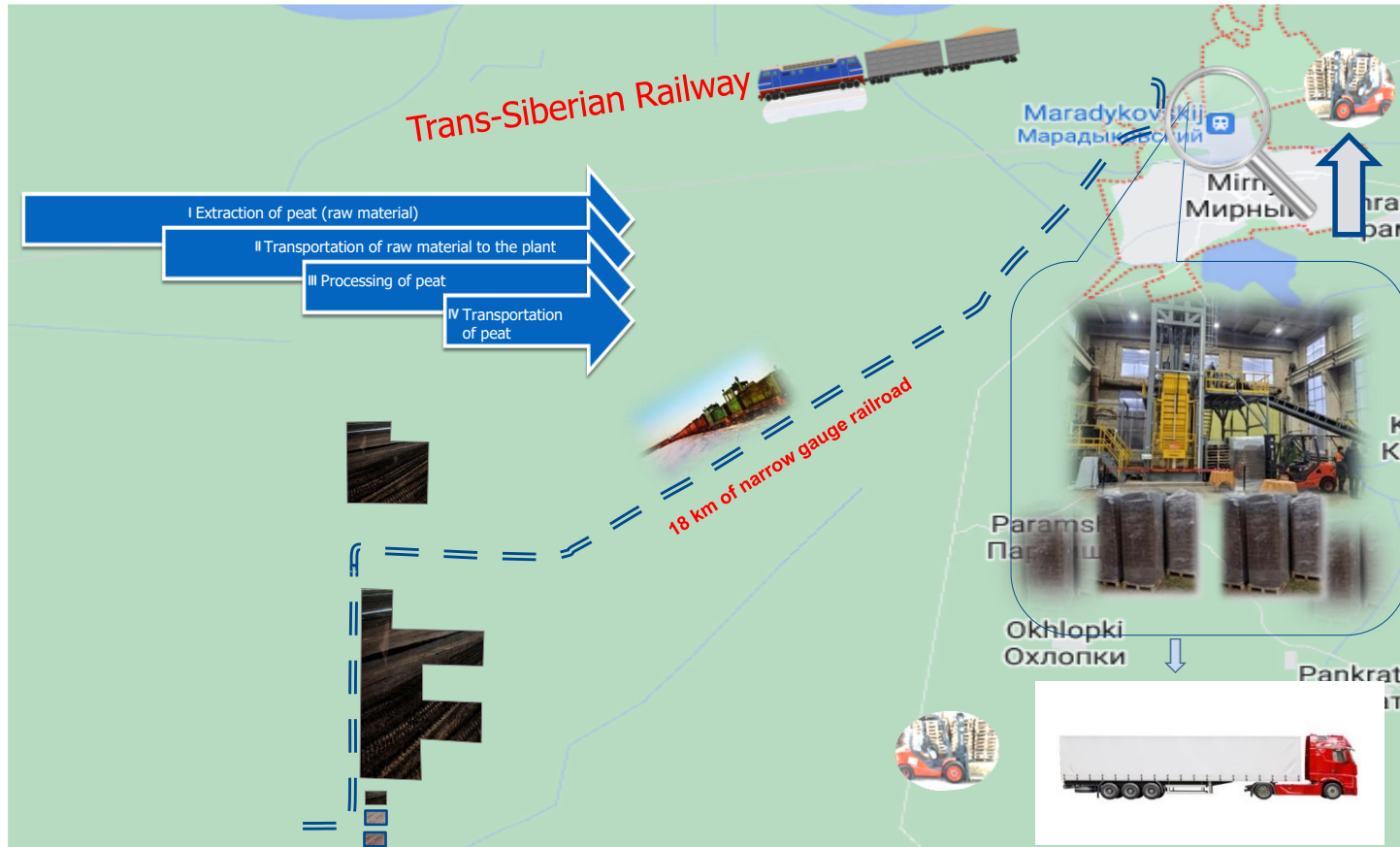
	Degree of decomposition, %	Density, kg/m3	pH	Humic acids, %	Fulvic acids, %	Moisture, %	Electrical conductivity, micro S/kg
Lowland peat	H6-H9	400-500	4-5,5	4,5-5,6	0,45-3,0	45..55	48-90
Upand peat	H3-H5	120-200	3,0 -4,5	2,5-4,6	0,45-2,5	45..55	27-40












Main characteristics

- **PH aqueous**
 - 3.5-4.5 % acidic
 - 5,5-6,5 %-neutralized
- **Humidity not more than 65 %**
- **Density: 180 kg/m3**

The process of extraction, processing of upland peat, shipment of finished products



Main raw materials	Products	Brief description
 <p>Lowland peat (high level of decomposition with high concentration of humic acids)</p>	 <p>Sustainable aviation fuel</p>	Aviation biofuel. Proposed feedstock for production: lowland peat. Status: R&D development.
	 <p>Peat fuel pellets</p>	Biofuel, analog of wood pellets. Cheap production cost. Status: technical tests.
	 <p>Humic fertilizers</p>	A new class of fertilizers and growth stimulants with a high content of Humic substances and prolonged release of Nitrogen without loss to the environment.
	 <p>Soils for mushrooms</p>	Organic substrate to which mainly lowland peat is added
 <p>Top peat (low decomposition, high porosity and water retention)</p>	 <p>Agricultural peat production</p>	Ideas to expand existing production, increase capacity, increase product range
	 <p>Soil substrates and soil formers</p>	Establishment of a substrate production line
	 <p>Peat sorbents</p>	Production of hydrophobized oil sorbents and biosorbents, which are used for liquidation, disposal of consequences of accidental spills of oil and oil products

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