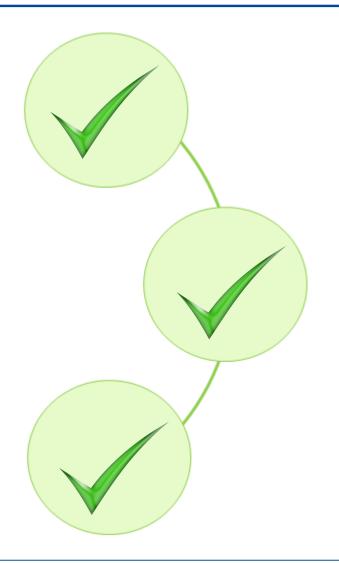


Strategic Goals of PhosAgro in Logistics



Economic Efficiency

Industrial Safety

Eco-Efficiency

Key Green Initiatives in Logistics

1. Cars of Higher Capacity

Cars of a higher load capacity allow to reduce the amount of rolling stock within the networks of Russian Railways.

Within the period from 2017 to 2021 an adverse environmental impact caused by sulfur transportation of more than 4 mln tons of solid sulfur was prevented from with cisterns mindfully chosen when transporting it.

2. Heavy Trains

Delivery by heavy trains with the weight of up to 9,000 tons via energy-saving schedule routes enables saving of 10-15%.

3. Electric Locomotives instead of Diesel Locomotives and Motor Cars

Reduction of CO2 emission into the environment.

4. Use of modern terminals instead of obsolete ones to comply with all of up-to-date environmental requirements.





Cars of Higher Capacity, 1/3: Change of the rolling stock system in favor of own innovative cars

| | Putting of innovative cars into operation, pcs. | | | |
|-------------|---|--|----------------|-------|
| Year | Liquid sulfur, cisterns | Liquid complex fertilizers, cisterns | Mineral wagons | Total |
| 2017 | 232 | 0 | 440 | 672 |
| 2018 | 176 | 0 | 160 | 336 |
| 2019 | 112 | 87 | 1,500 | 1,699 |
| Grand total | 520 | 87 | 2,100 | 2,707 |

Reduction of adverse environmental impact per 1 ton of cargo transported









Cars of Higher Capacity, 2/3: The innovative mineral wagons procurement program (76.5 t/hopper) in 2020 it was vacated 285 standard mineral wagons (about four 70-car trains, 70 t/hopper)



Reduction of adverse environmental impact per 1 ton of cargo transported









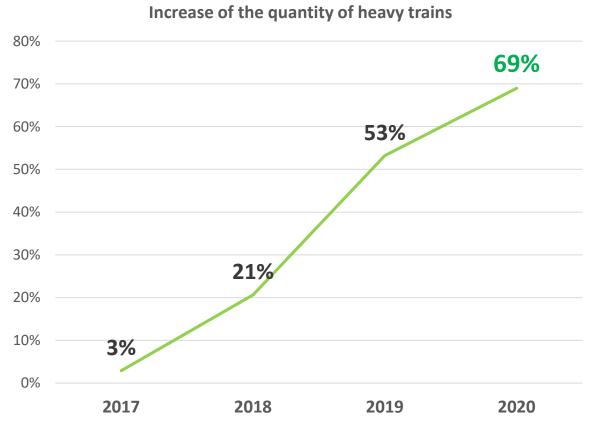
Cars of Higher Capacity, 3/3: Well-considered choice of cisterns, rolling stock restructuring

Cistern transportations are the most **environment friendly** versus other types of transportations, since leakages, dust generation, flammability or other environmental hazards are totally excluded





Heavy Trains, 1/2: A percentage of heavy trains (56+ cars per train) in all directions has increased from 3% in 2017 to 69% in 2020





Effect from adverse environmental impact reduction per 1 ton of cargo









Heavy Trains, 2/2: Future prospects: preference for heavy trains (100 cars)

Expansion of infrastructure, further traffic speed-up and reduction of adverse environmental impacts

Opening of Kriolit railway station (Apatit JSC, Cherepovets)

Optimization of Vistino port infrastructure through commissioning of the northern terminals (2nd stage) (Ust-Luga)

2023 Renovation of Aykuven railway station (Kirovsk Branch of Apatit JSC, Kirovsk)







Ust-Luga
Ports of Discharge

Cherepovets



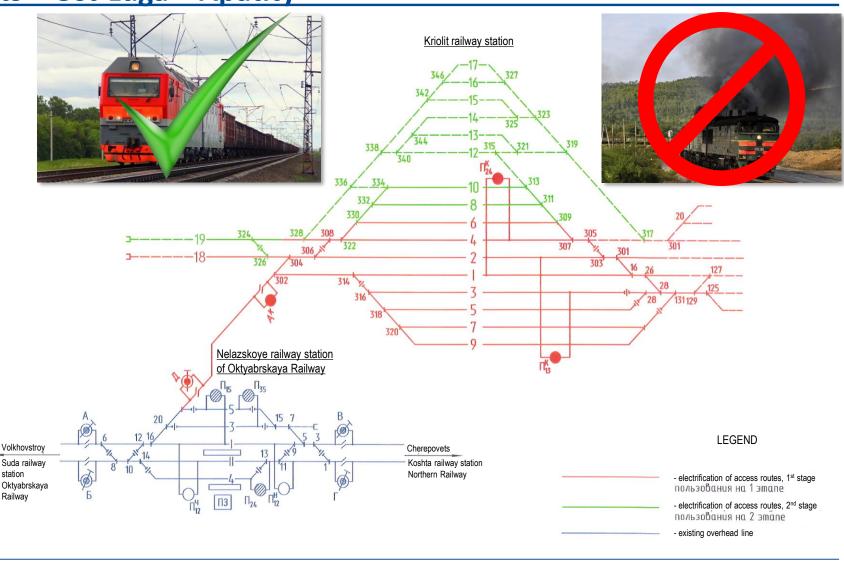


2022

Electric Locomotives instead of Diesel Locomotives and Motor Cars: Electrification of Kriolit railway station Exclusion of two diesel locomotives. Commissioning of the heavy trains route Apatity – Cherepovets – Ust-Luga – Apatity









PhosAgro's Choice – modern terminals to comply with all of up-to-date environmental requirements instead of obsolete facilities

