

**DeLoPorts**  
DELO GROUP

**KSK**  
GRAIN TERMINAL





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# Grain Terminal in Novorossiysk

KSK is a deep-water grain terminal handling cargo in the port of Novorossiysk. In addition to bulk cargo, the terminal handles general and Ro-Ro cargoes







## 2006–2010

- Delo Group acquires the KSK terminal area and consolidates it into a single entity with berth-rental rights.
- Launch of grain transshipment operations at KSK.
- Development of project documentation for the construction of a new KSK grain terminal with a throughput capacity of 3.5 million tonnes.

## 2011–2012

- Launch of an investment program aimed at expansion of the grain transshipment capacity, increased storage capacity, and construction of a rail link.
- Three silos put into operation, with storage capacities of 3,000 tonnes each and band conveyor to berths, increasing capacity to two million tonnes.
- Out of the Delo Group stevedore assets, KSK consolidated into the holding company DELOPORTS LIMITED.

## 2013–2015

- Terminal construction completed and railway yard put into operation which allows KSK to increase the terminal's throughput capacity to the planned 3.5 million tons.
- Record grain throughput — 2.8 million tonnes.
- KSK approves the development plan up to 2019.

## 2016–2017

- Record amount of 4.2 million tonnes set in 2017 calendar year.
- Record amount of 4.9 million tons set in 2017/2018 agricultural year.
- As a part of the investment program in the KSK Grain Terminal, a contract is signed with the Federal State Unitary Enterprise, Rosmorport, on the safety and security of marine navigation and KSK throughput capacity increases by 1.5 million tonnes per year.
- Preparation of legal documents for increase in throughput capacity.

## 2018–2019

- Start of the construction of silos, additional automobile and railway reception points at KSK.
- Start of construction of berth No. 40A.

## 2020–2022

- Construction of additional silos, automobile and railway reception points.
- Throughput increased to 6 million tonnes.
- Record grain throughput in September 2020 — 667,991 tonnes.
- Record grain throughput in 2020 year — 5.1 million tonnes.
- Construction of berth No. 40A completed.
- Dredging at berth No. 40A has completed.
- New bunker scales were launched.
- Commissioning of the deep-water grain berth No. 40A.
- Work on the extension (splicing) of the deep-water conveyor line at berths No. 41, 40 and 50A was completed. Total length of the conveyor line is more than 600 m.
- The first vessel with 120 thousand tons capacity at berth No. 40A was handled.

## 2023

- Completion of construction and installation works and commissioning of a grain loading ship machine.
- Increase of cargo throughput to 2,400 tons per hour.
- Record for yearly grain transshipment was set at 8.2 mln tons.

## 2024

- Delo Group has consolidated 100 % of KSK shares.
- Best stevedoring company in grain transshipment according to ASOP data.
- Record for FY2023 grain transshipment with 10.3 million tons.
- Record for grain transshipment at the end of the 2023/2024 grain season is 9.2 million tons.
- Set the absolute Russian record on monthly grain transshipment with 1.074 million tons (October).
- Commissioning of the second grain evaluation and high-precision analysis facility.





# KSK Today

KSK is Russia's No. 1 grain terminal

The Company's clients include the biggest enterprises from around the world as well as Russia



Ro-Ro complex capacity

**3,500**  
cars/per year

Automobile reception

**800**  
grain carriers  
per day

Railway reception

**180**  
wagons per day

Silos capacity

**220,000**  
tonnes

Grain throughput capacity

**10.5**  
mln tonnes

Ro-Ro storage area capacity

**250**  
cars



Proprietary  
certified  
laboratory  
for grain quality  
assessment

in the State Center  
for Standardization,  
Metrology  
and Measurements





# Infrastructure

# 13.1<sub>ha</sub>

Terminal area

**Berth No.40A**

Length: 309 m

Depth: 16.9 m

**Berth No.40**

Length: 251 m

Depth: 14.6 m

**Berth No.41**

Length: 128 m

Depth: 11.4 m

## KSK has a unique infrastructure and offers integrated logistics solutions



KSK has the most up-to-date equipment and offers only the best technological solutions to its clients.



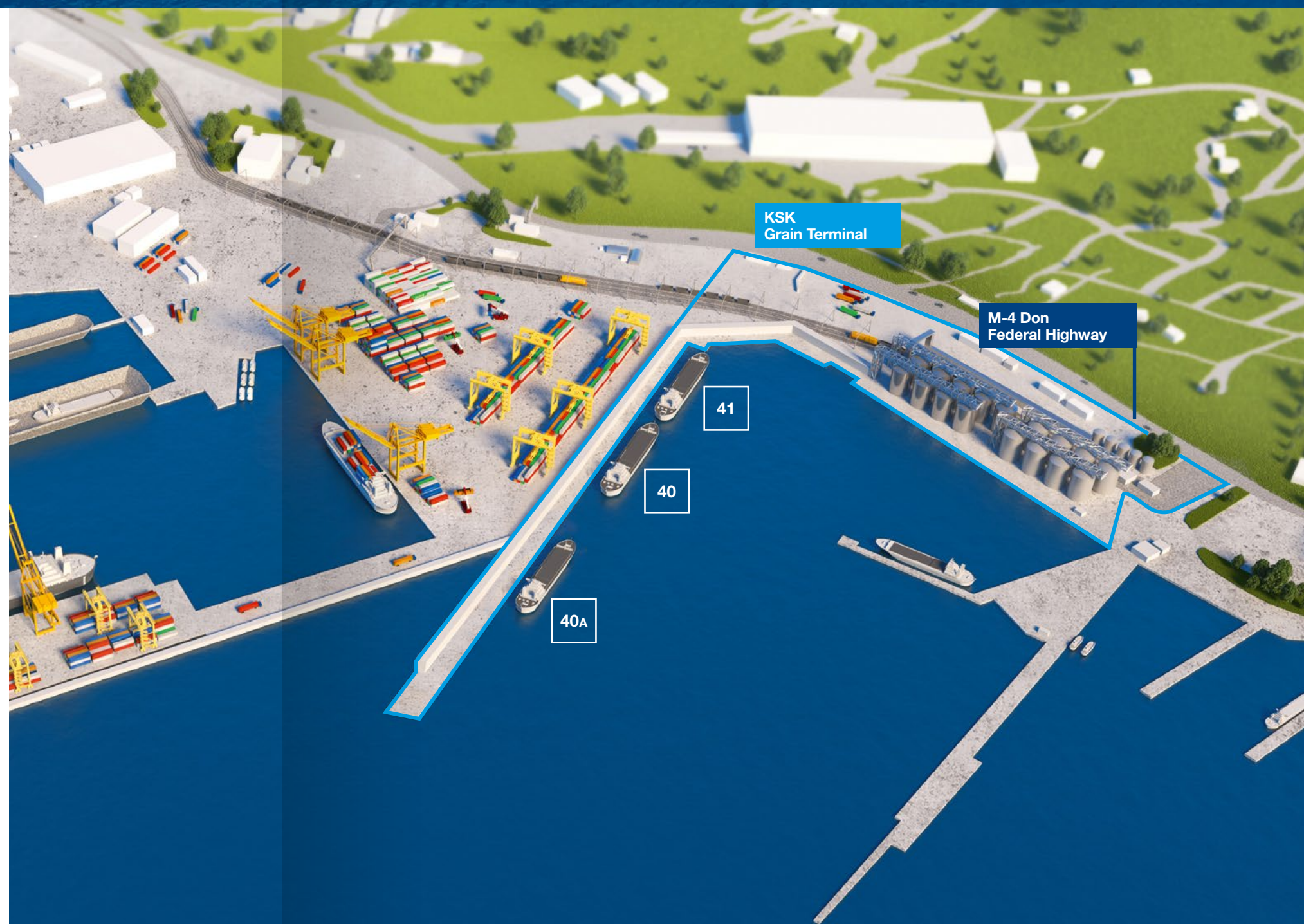
Dedicated access to rail transport via a newly-built and selfowned rail link provides for cost-efficient logistics for grain suppliers.



Dedicated and direct access to the M-4 Don Federal Highway provides for the most cost-efficient auto logistics for local grain suppliers.



Operates modern world class equipment, supplied by the leading international producers (NEUERO, Sukup, AGI, Intersystems etc.) providing seamless operations flow from grain reception and quality tests to grain transshipment to vessels.







# Automobile Reception

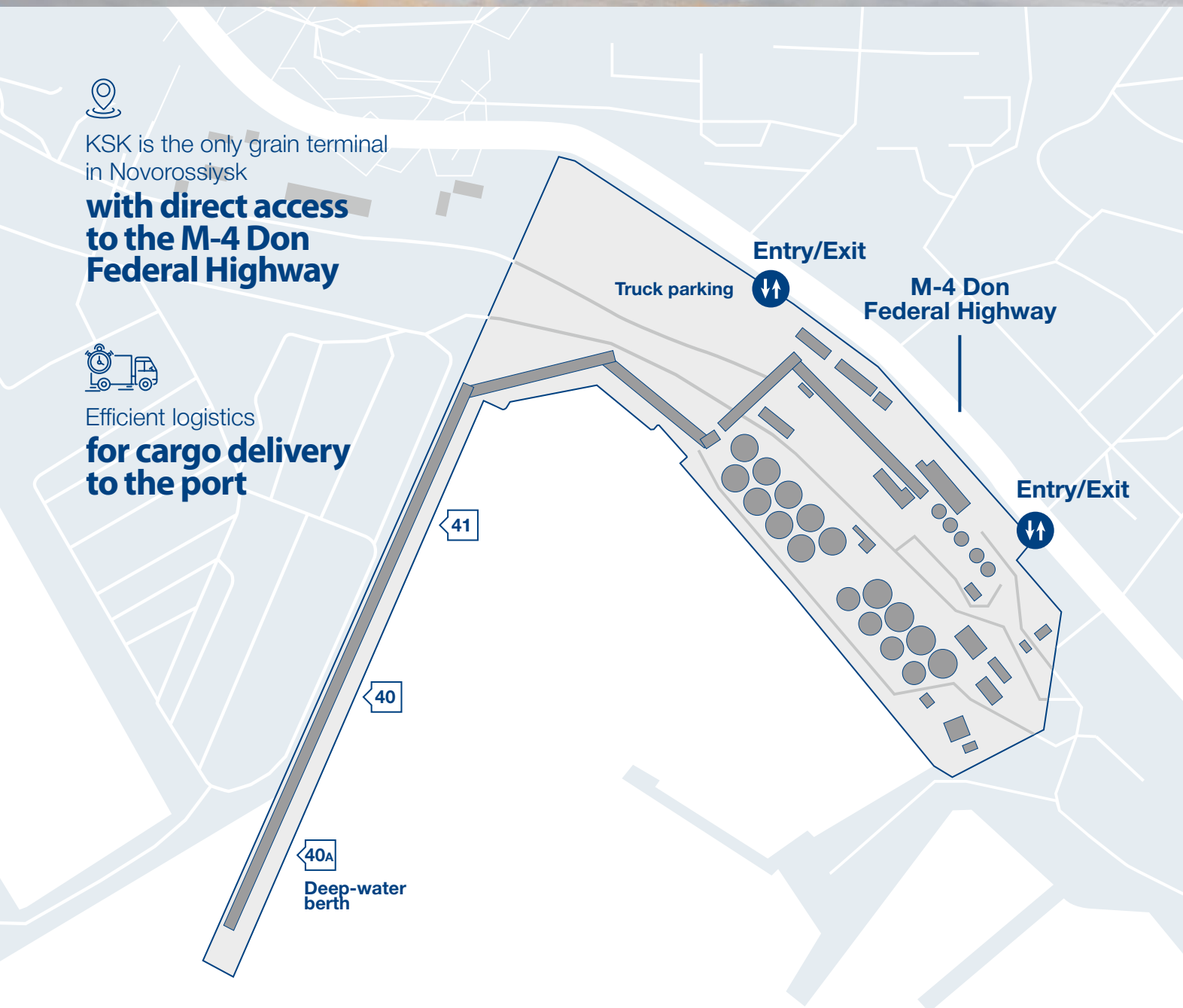


KSK is the only grain terminal in Novorossiysk

**with direct access to the M-4 Don Federal Highway**



Efficient logistics **for cargo delivery to the port**



**x 800** grain carriers per day



**3** automobile reception points



Parking area

**x 70** grain carriers



Own car storage yard at the terminal

Automated grain quality determination system

Seamless operation of automobile and railway unloading

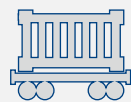




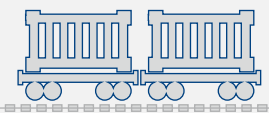
## Railway Reception



## Ro-Ro Complex

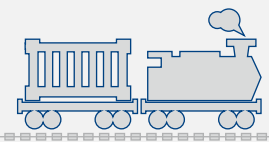


**x2,400** tonnes per hour



Handling of

**6** wagons simultaneously on 3 railway lines



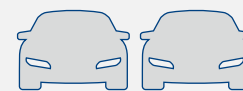
Throughout capacity of railway

**180** wagons per day



Dedicated access to the rail network from the Novorossiysk transportation hub to the grain terminal

Direct access to the railway yard in order to control and maintain the proper tracks



Simultaneous cars storage capacity

**x250** cars



Throughput capacity

**x3,500** cars per year



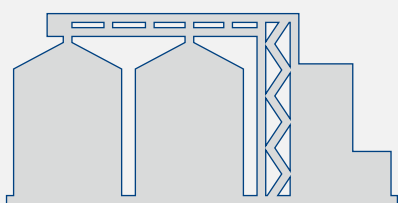




# Equipment

## Grain storage facilities

13.6 kt silos

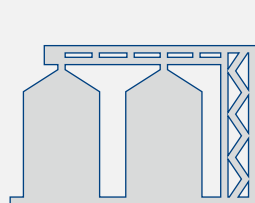


x9 Sukup  
Manufacturing

**123**

Total capacity, kt

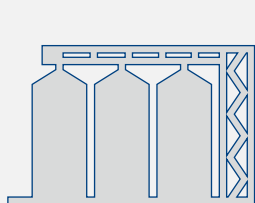
10.1 kt silos



x8 Sukup  
Manufacturing

**81**

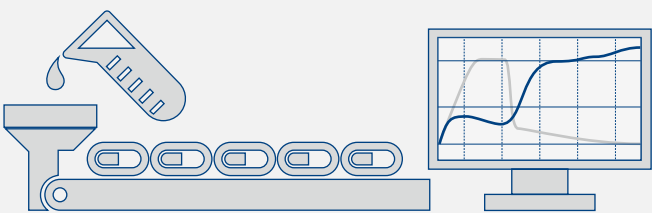
3.0–3.3 kt silos



x5 Prado,  
SKE-Specst

**16**

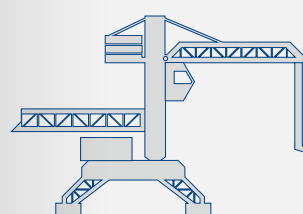
## Laboratory equipment



Chopin, Foss Analytical, Perten

## Port equipment

Ship loader



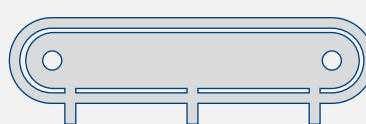
x3  
NEUERO

**2,400**

Capacity  
(3 x 800 tonnes per hour)

Band conveyor

(open type)



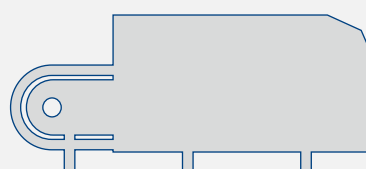
x3  
NEUERO

**2,400**

Capacity  
(3 x 800 tonnes per hour)

Band and chain conveyor

(closed type)

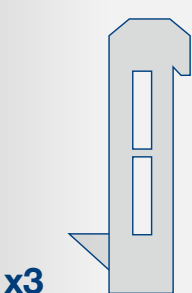


x3  
NEUERO

**2,400**

Capacity  
(3 x 800 tonnes per hour)

Noria

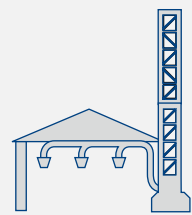


x3  
NEUERO

**2,400**

Capacity (3 x 800 tonnes per hour)

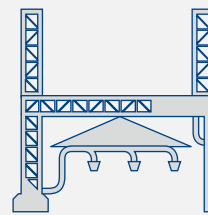
Equipment for automobile reception



InterSystems + AGI

**1,200**

Equipment for railway reception



InterSystems + AGI

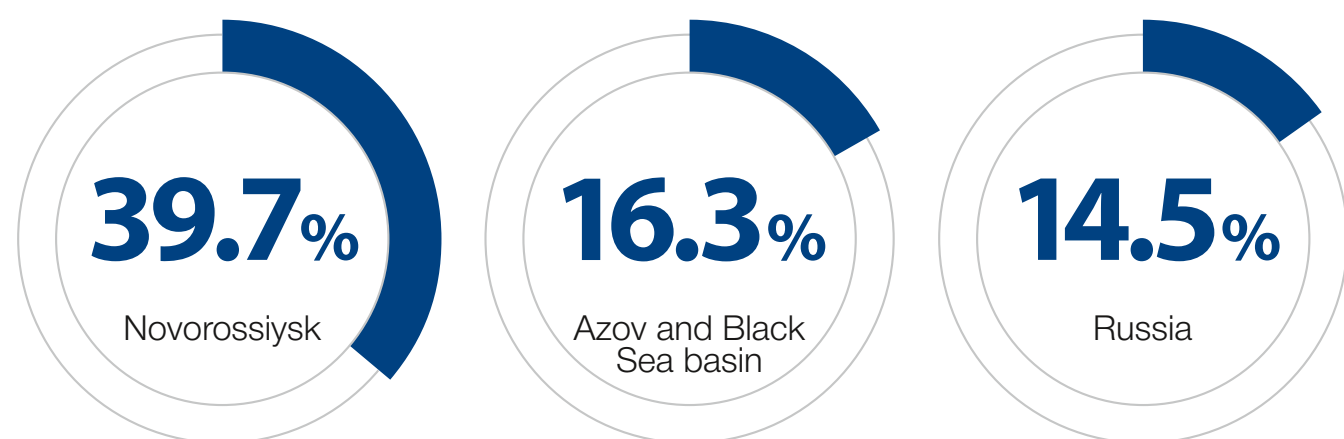
**2,400**



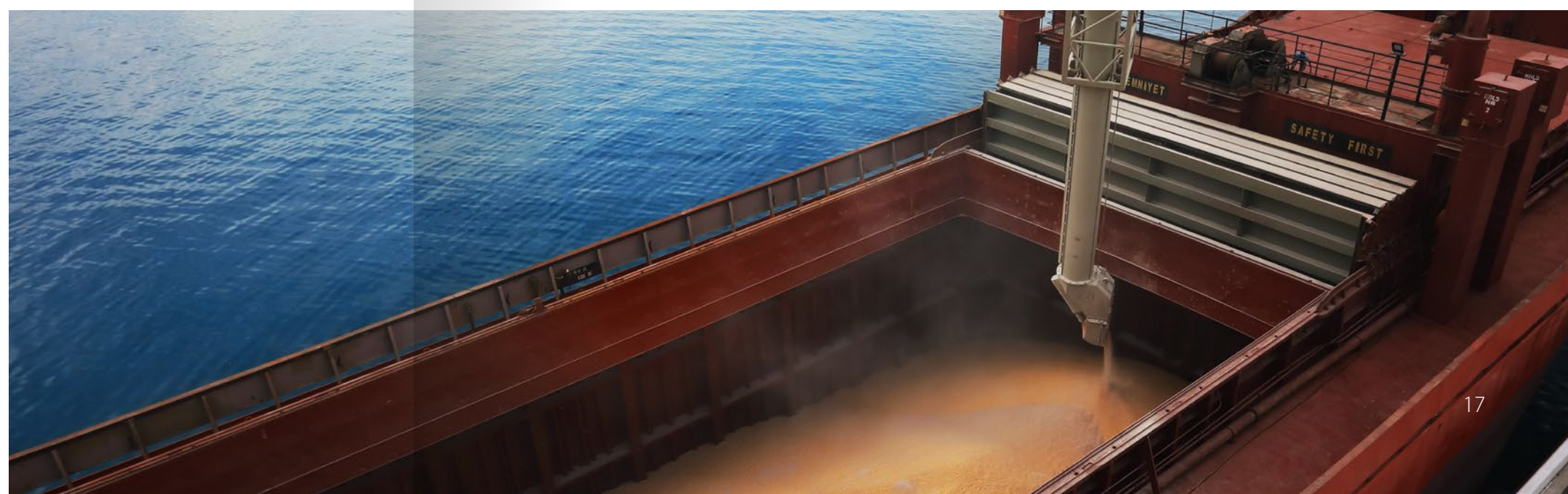
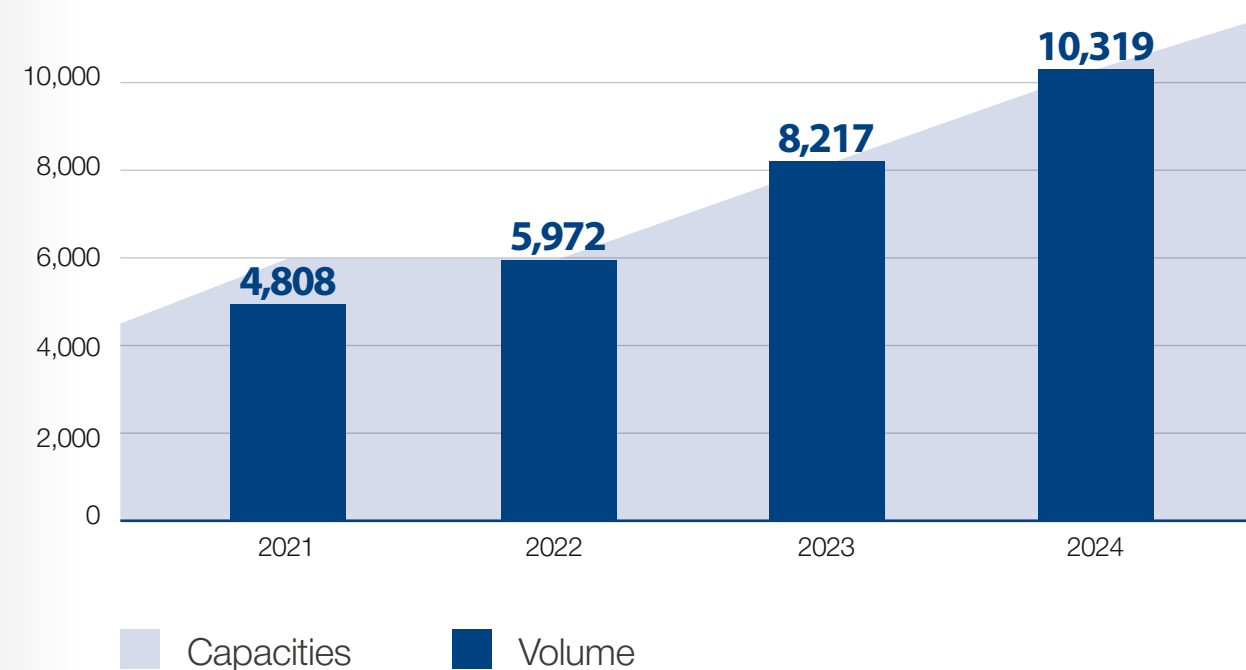


# Operating Results

## KSK market share in 2024



## Grain throughput, thous. tons



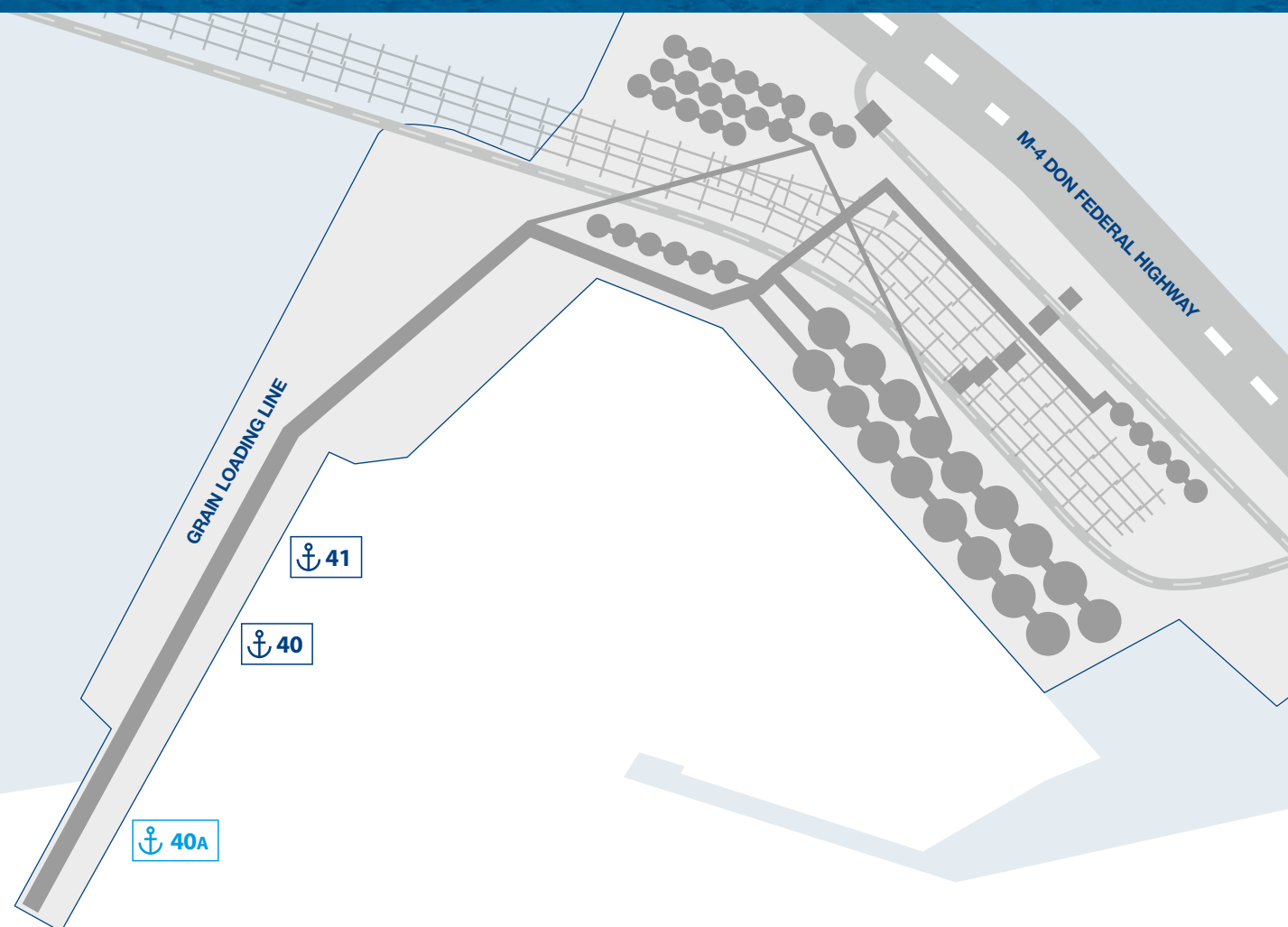








# Investment Program for 2024–2027

# 204 mln USD

Investments  
in the project



## Ongoing projects until 2027

-  Construction of additional silos for 30 thousand tonnes.
-  Construction of a fourth auto-loading line.
-  Installation of a fourth ship loader.
-  Installation of the first ship unloader.

## Terminal capacity after the completion of the investment program in 2027

Terminal capacity

**12.0 mln tonnes  
per year**

Simultaneous vessel handling

**3 vessels**

Maximum draft of vessel at berth

**16.3 m**

Maximum vessel cargo capacity

**100,000 tonnes**

Maximum berth depth

**16.9 m**

Grain storage capacity

**250,000 tonnes**

Railway reception

**180 wagons per day**

Automobile reception

**1,000 cars per day**

## Projects completed in 2018–2024

- Putting into operation berth No. 40A and dredging to the level of 16.9 m.
- Construction of additional silos with volume of 102,000 tonnes increases grain storage capacity up to 220,000 tonnes.
- Construction of additional grain reception lines for rail and road transport. Faster cargo handling.
- Laboratory expansion.
- Reconstruction of berth No. 40 and dredging to the level of 14.6 m.
- Implementation of program for the 3-rd ship-loading machine installation.



# Contacts



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