

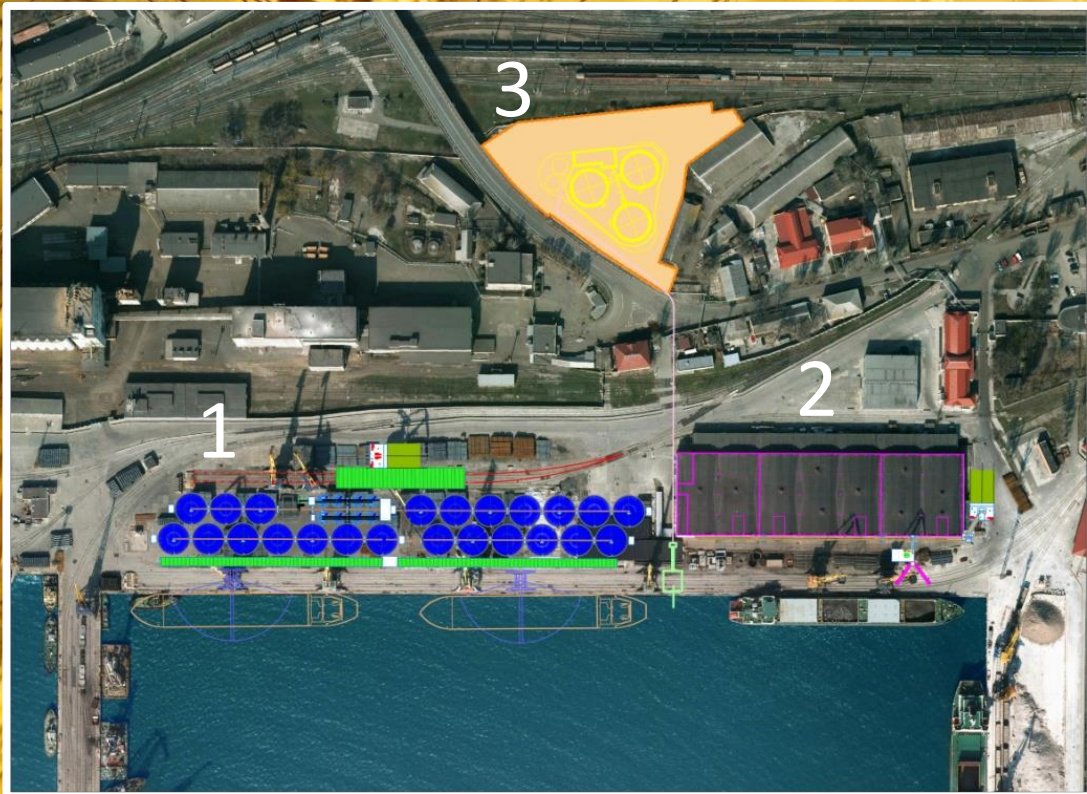


State Enterprise «Mariupol Commercial Sea Port»

Transshipment cluster for
agroindustrial cargoes

● Elements of the transshipment cluster of AI-cargoes

Transshipment cluster of AI-cargoes is a group of interacting companies concentrated in the territory of the port providing services for the acceptance, storage and shipment of agro-industrial goods for various modes of transport with a specialized infrastructure, developing on the principles of integration and complementarity of each other's functions in order to strengthen competitive advantages in the transport services market.



1. Specialized complex for grain cargo reloading

2. Warehouse for floor storage, rented by the company «STT»

3. The complex of vegetable oils loading of "Euro Oil" company

● Characteristics of the grain complex

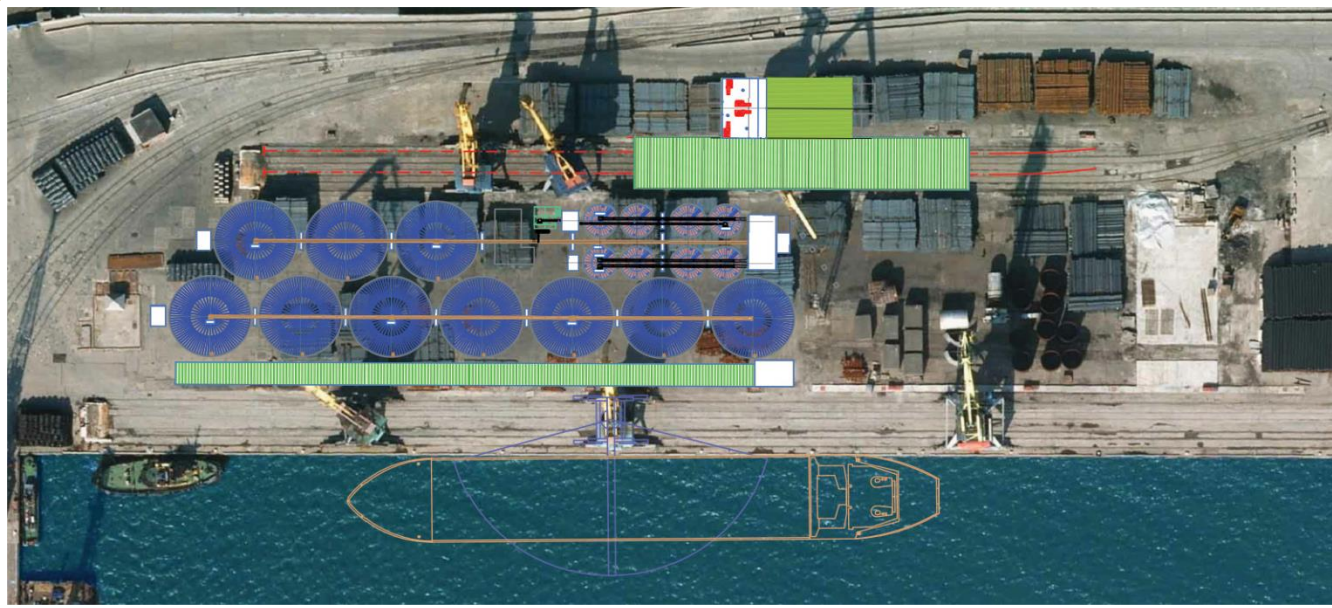


- The construction site of the grain complex is the anchor and rear storage areas of the berths №4,3 with total area ~ 20K sq. m.
- Projected depths near berths №4,3 are 9,75 meters.



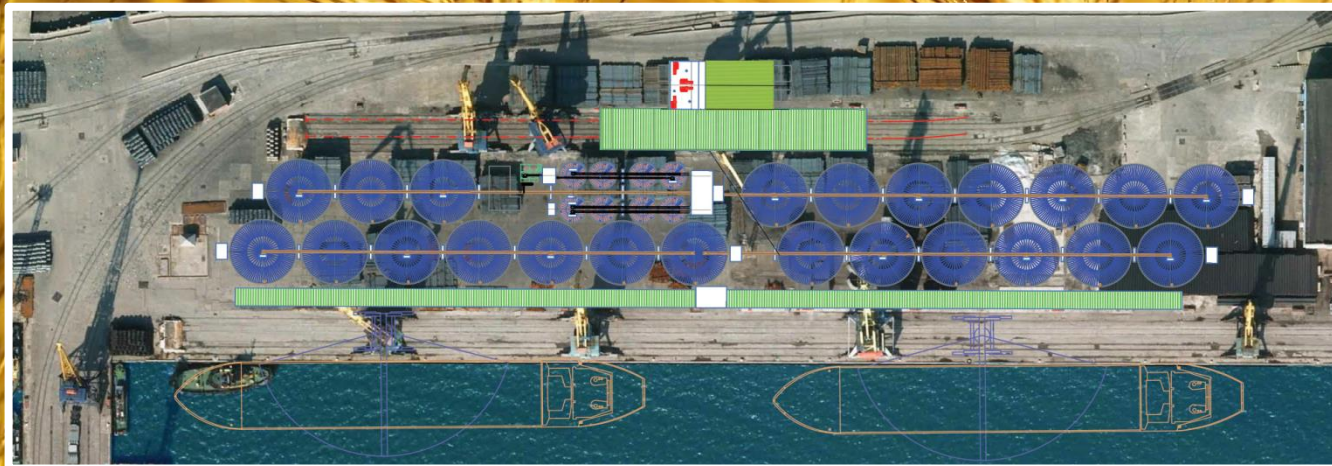
- The capacity of the complex for grain transshipment will be 2.0 million tons per year.
- One-time storage - 131.1 thousand tons, silage capacity - 23 units. on 5.7 thousand tons.
- Ship loading capacity up to 2000 tons per hour
Grain loading machines - 2 units with a capacity of 1000 t/h each.

● Stages of the grain complex construction



Stage 1:

- funds of SE "MCSP" - 501.7 mln UAH. excl. VAT;
- planned implementation dates: 2017 - 2019;
- 10 containers of 5.7 thousand tons;
- grain loading machine «NEUERO ShipLoader SL 1000» with capacity up to 1000 t / h;
- auto- and railway loading, infrastructure.
- **KPI of the project:**
 - NPV (net present value) – 176,0 mln UAH.
 - DPP (discounted payback period) - 6,7 years.



Stage 2:

- With the involvement of investors' funds;
- Planned implementation dates 2019 - 2021;
- 13 containers of 5,7 thousand tons;
- grain loading machine with a capacity of up to 1000 t/h with the ability to work in the reverse mode.

● Characteristics of the cluster elements



Warehouse for floor storage, rented by the company «STT»

- June 15, 2016 The Regional Department of the State Property Fund of Ukraine for the Donetsk region and LLC “STT” in agreement with the Ministry of Infrastructure of Ukraine concluded a lease for 15 years.
- The STT company plans to invest UAH 100 million in the modernization and automation of the existing general cargo warehouse of the Mariupol CSP.
- Cargo turnover of LLC “STT”- 300 thousand tons a year.
- Increase of one-time storage of food goods in the warehouse up to 30 ths. tons.
- Set up cargo reception by all modes of transport.



The complex of vegetable oils loading of "Euro Oil" company

- Investments of the company "Euro Oil" in the complex, leased near the port territory ~ 200 million UAH.
- One-time storage - 15 thousand tons (3 containers: 5 thousand tons each).
- The turnover capacity of the Complex through the berths of Mariupol Sea Port is about 500 thousand tons of oil per year