

Project of a grain and oil cluster



Strategic management
of transport assets

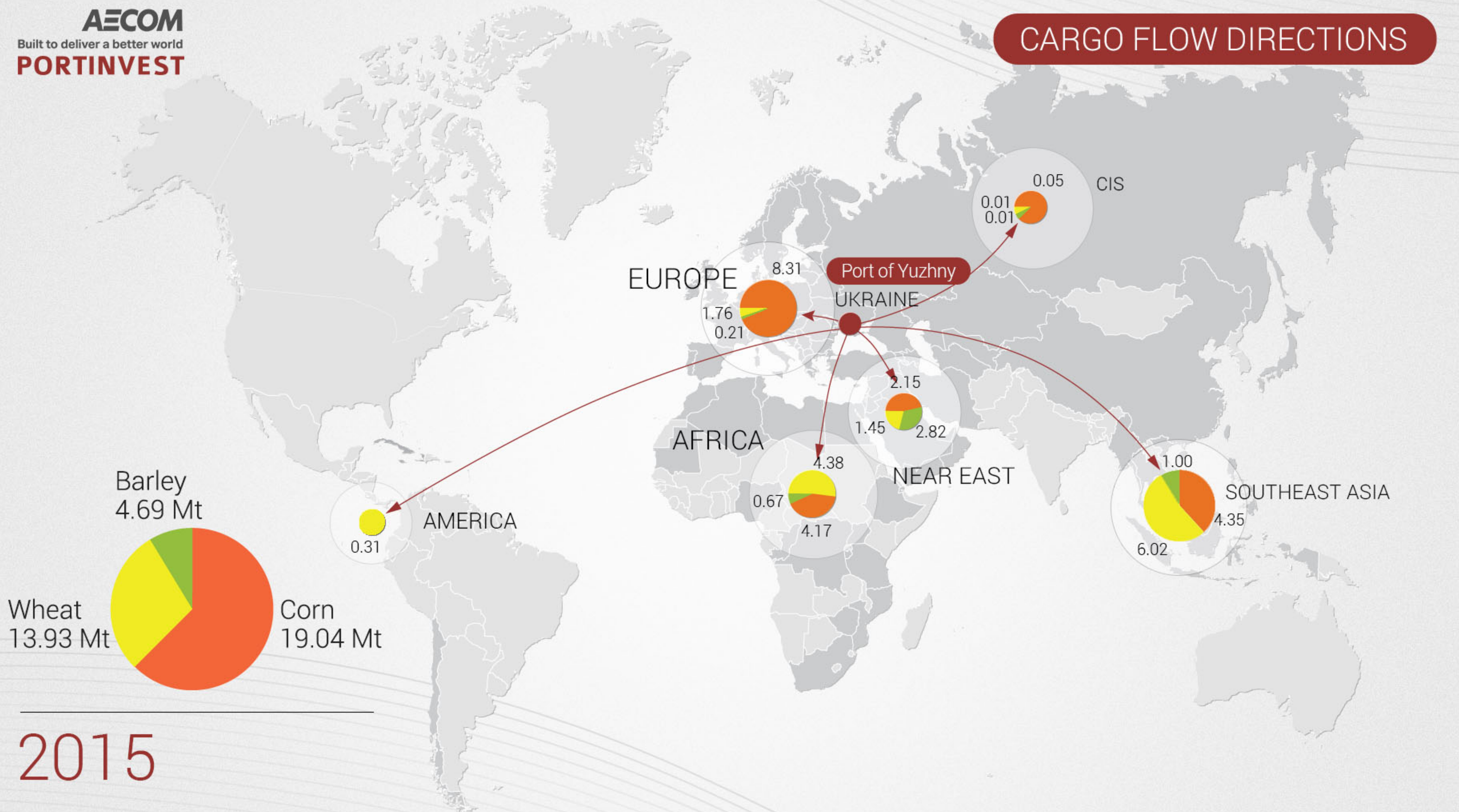


Realization
of investment projects



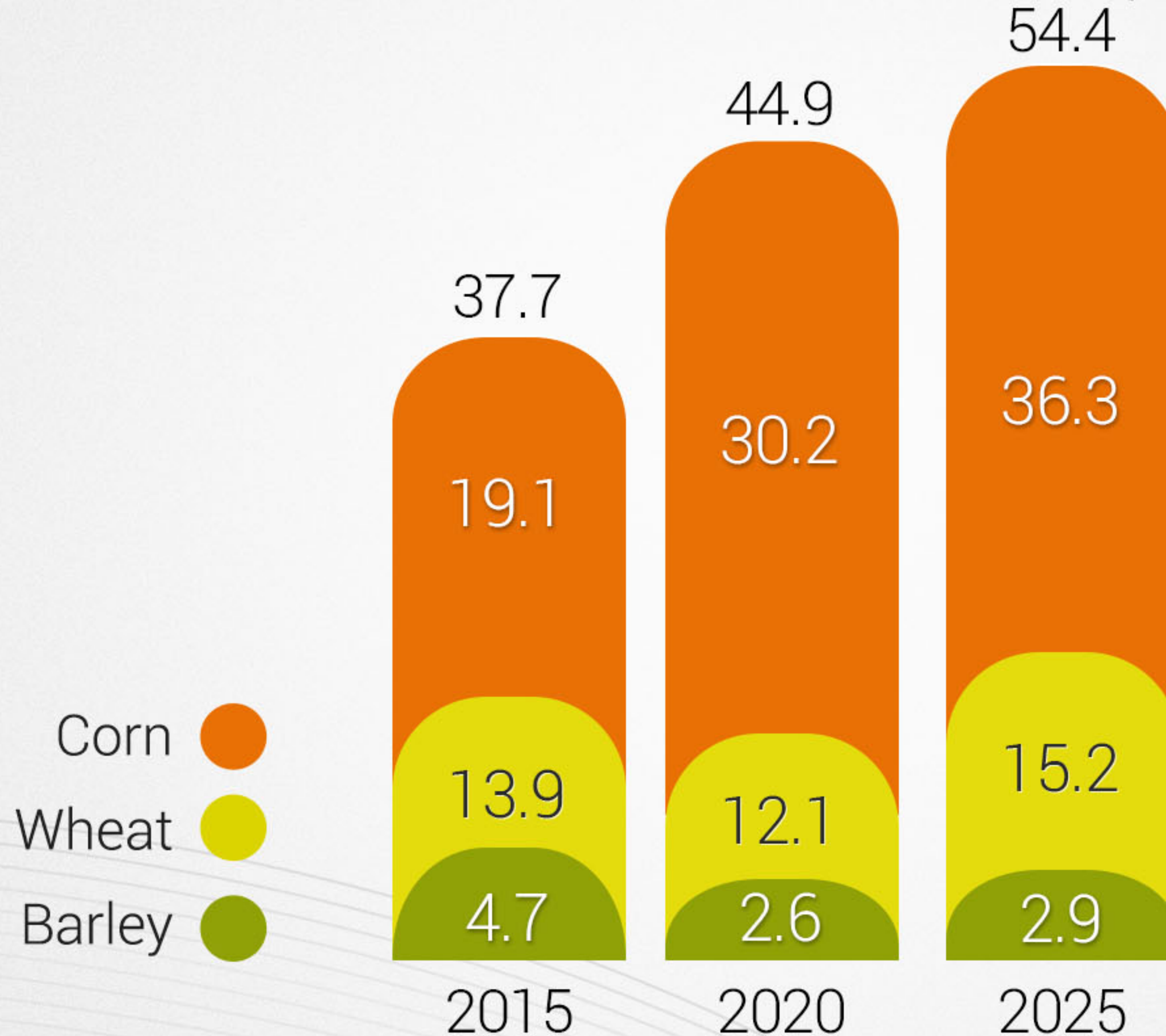
Range of transport
services

CARGO FLOW DIRECTIONS

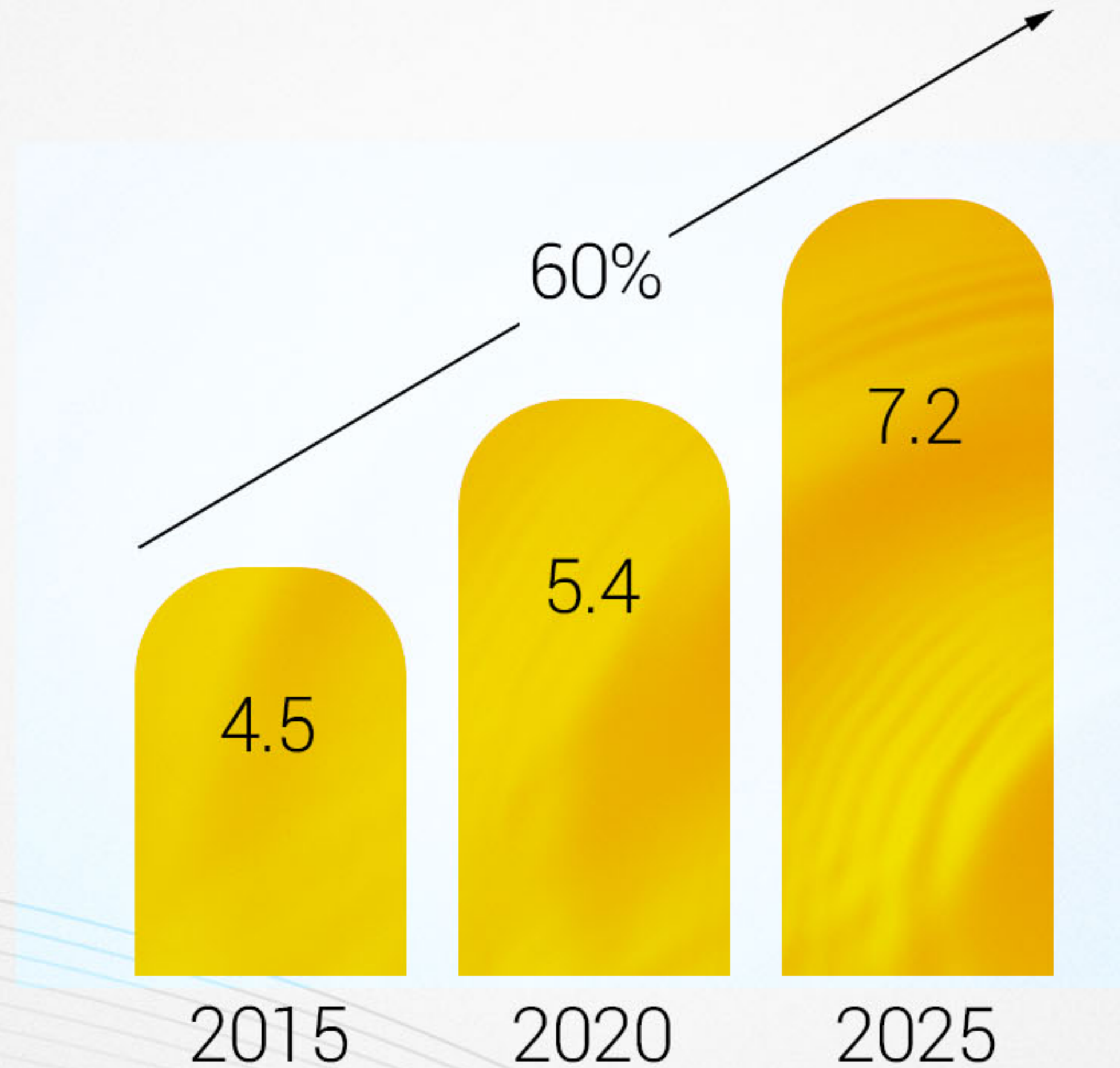


2015

Grain flow dynamics in Ukrainian Ports (Mt)



Vegetable oil flow dynamics in Ukrainian Ports (Mt)



PORT YUZHNY LOCATION



Port Yuzhny
UKRAINE

AMERICA

EUROPE

AFRICA

RUSSIA

NEAR
EAST

SOUTHEAST
ASIA

AUSTRALIA

DELIVERY OF GRAIN

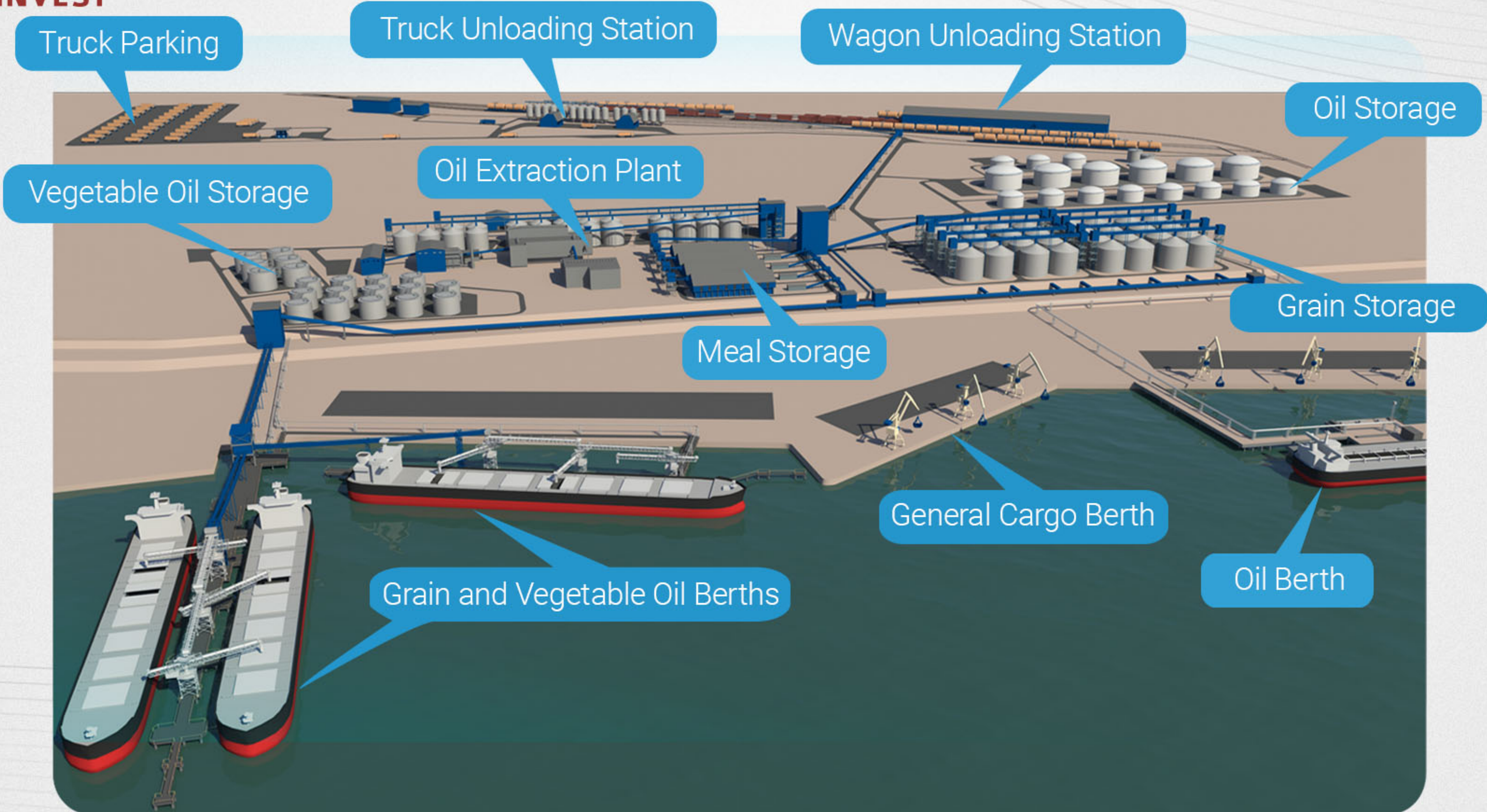


AREA OF THE PROJECT

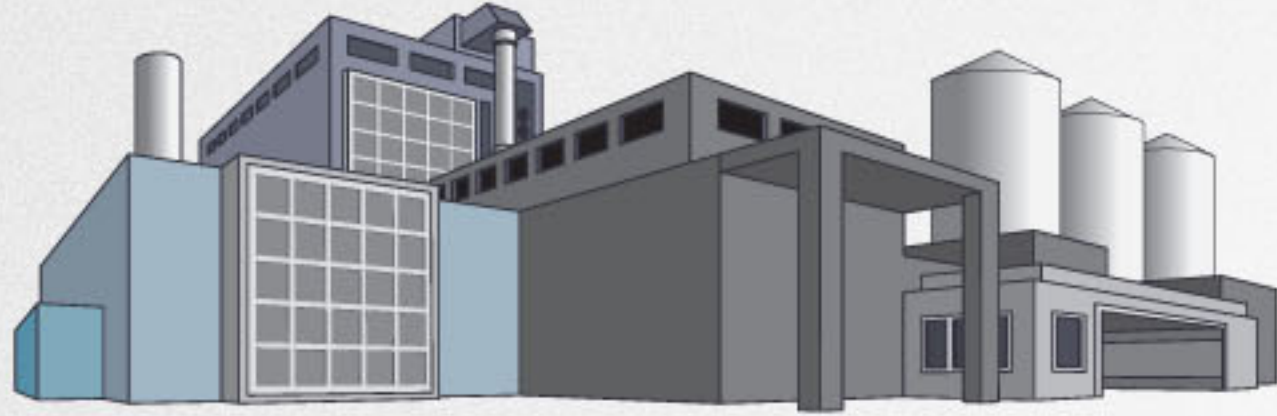


* PROJECT LAND DESIGNATION PURPOSE -
FOR PLACEMENT AND OPERATION OF MARINE TRANSPORT FACILITIES

GENERAL LAYOUT



Oil Extraction Plant



680 tons/day

MEAL

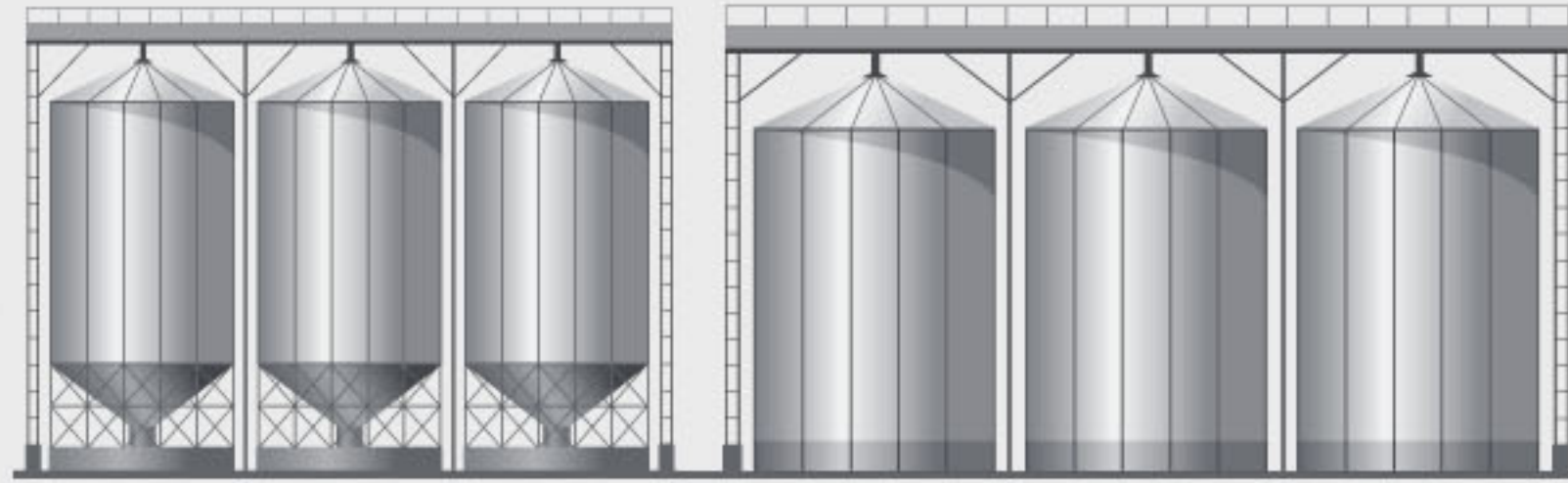
Truck Unloading Station



8x8 Trucks/hour
MEAL & GRAIN



Storage



Meal 80'000 tons

Grain 440'000 tons

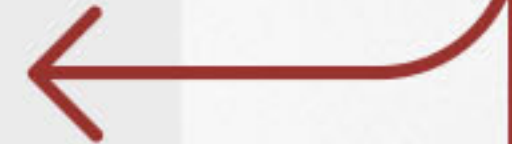


Wagon Unloading Station



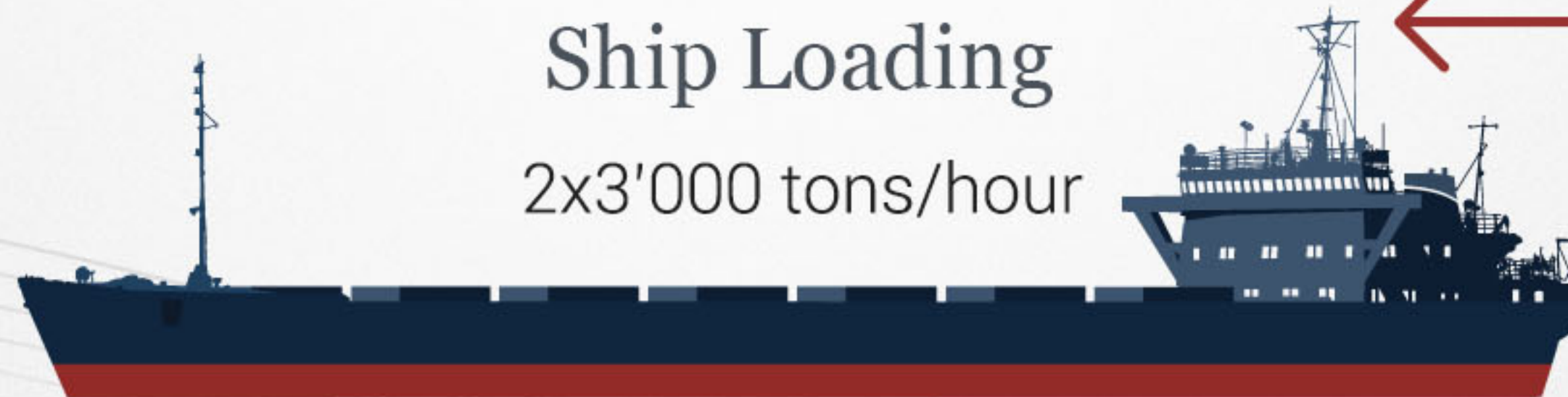
520 Wagons/day

MEAL & GRAIN



Ship Loading

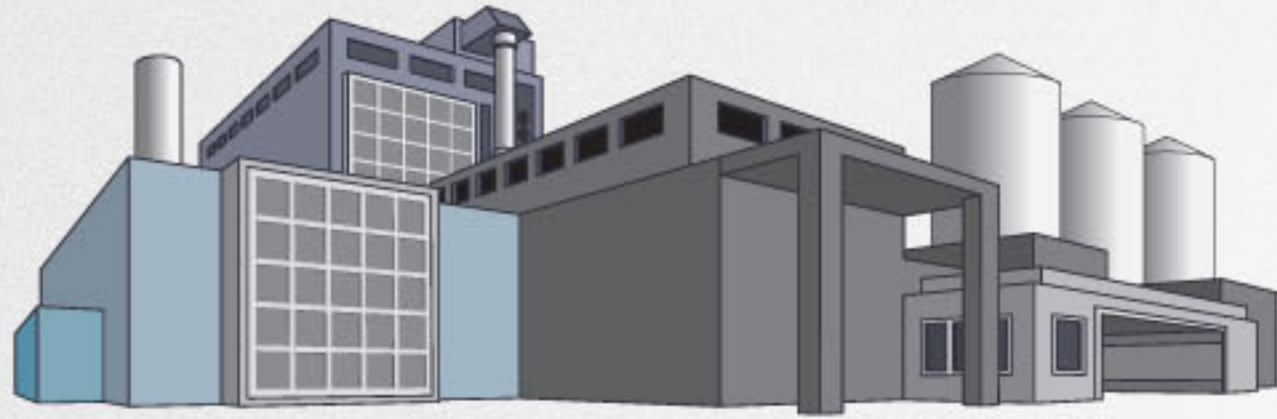
2x3'000 tons/hour



DWT 125'000

9.0 Capacity
Mt per/year

Oil Extraction Plant

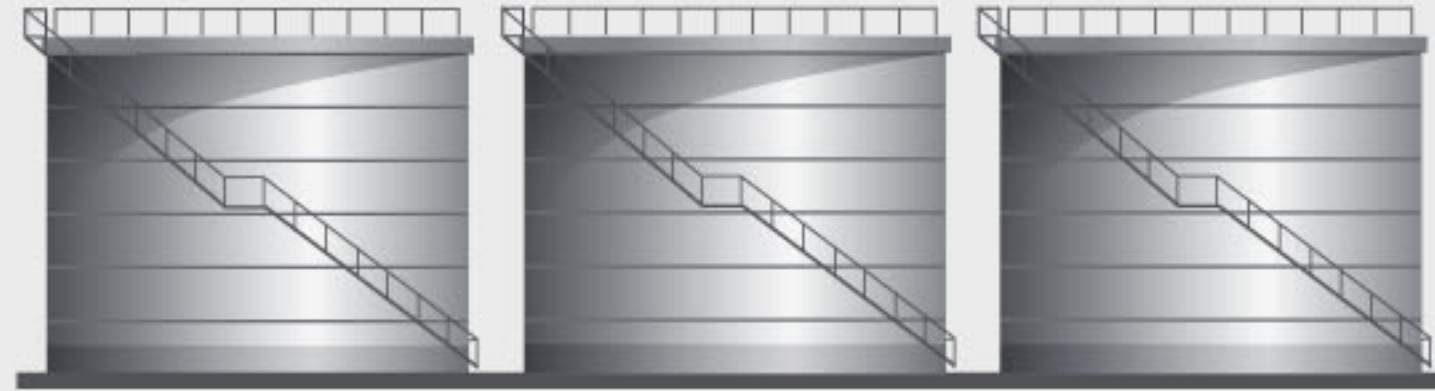


770 tons/day

Truck Unloading Station

480 m³/hour

Vegetable Oil Storage



Capacity 100'000 m³

Wagon Unloading Station



650 m³/hour

Ship Loading

3000 m³/hour



DWT 50'000

1.2 Capacity
Mt per/year

OIL EXTRACTION PLANT

Truck Unloading Station
SUNFLOWER SEEDS



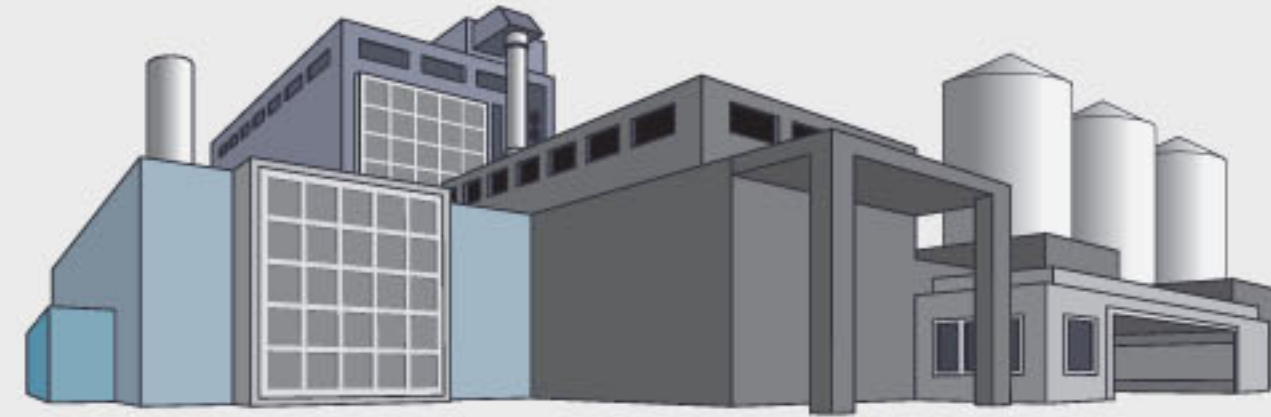
1300 tons/hour

Wagon Unloading Station
SUNFLOWER SEEDS



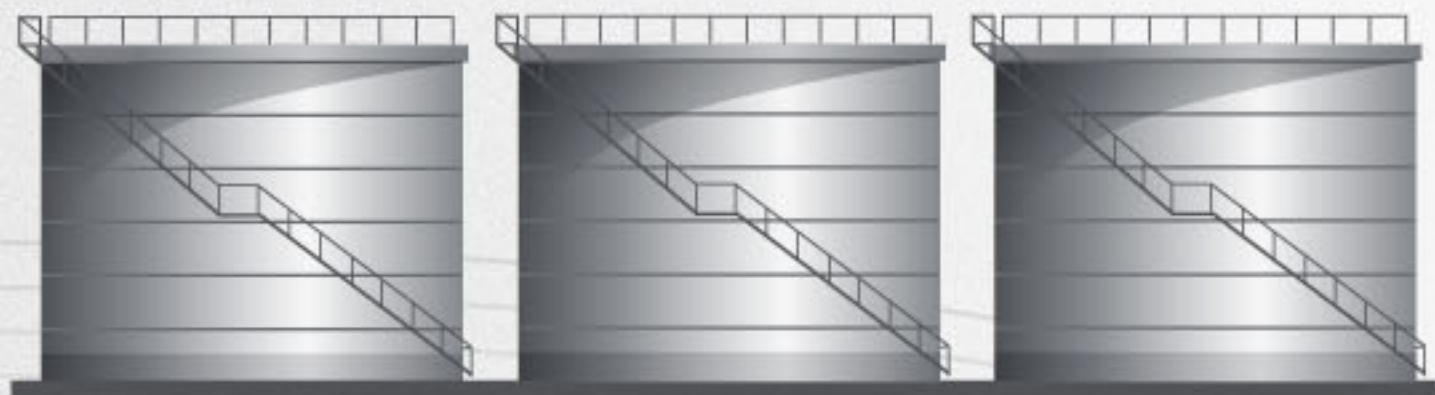
1000 tons/day

Oil Extraction Plant



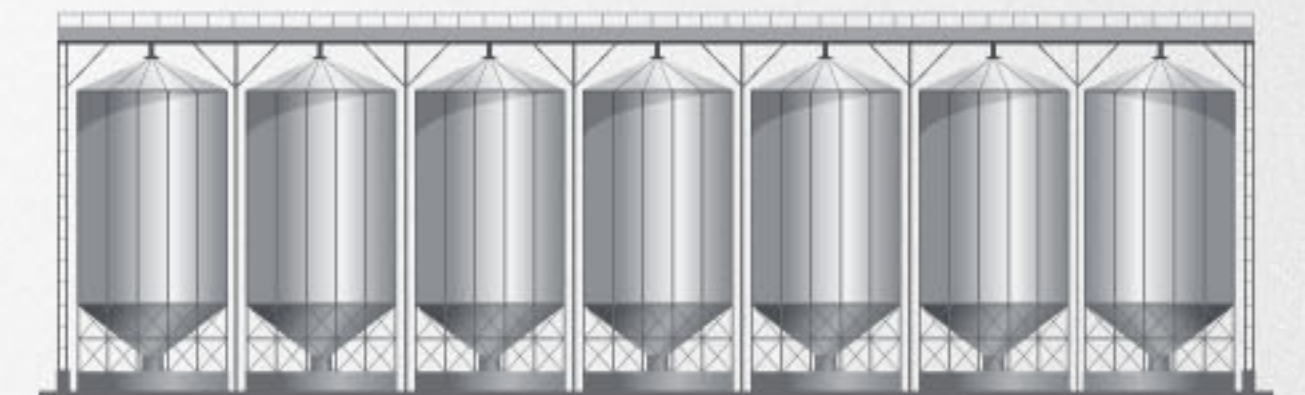
Oil 225 Kt per/year | Meal 224 Kt per/year

Vegetable Oil Storage



Capacity 60'000 m³

Meal Storage



Capacity 80'000 tons

Grain terminal 1.Stage	7.4	Mt per year
Grain terminal 2.Stage	9.0	Mt per year
Vegetable oil handling	1.2	Mt per year
Railroad throughput	10	mil. tons per year
Berths (17 m)	3 x 370	m
Number of berths	3	pcs.
Cluster projected area	107.7	ha



	Private investments	
Grain terminal 1.Stage	147.5	mil. \$
Grain terminal 2.Stage	72.0	mil. \$
Vegetable oil terminal	22.9	mil. \$
Oil extraction plant	124.0	mil. \$
Total	366.4	mil. \$

REQUIREMENTS TO MARITIME LOGISTICS

SPECIALIZED PORT FACILITIES

Potential of grain freight flows requires launching of new specialized port facilities.

DEEP-WATER PORTS

Distance to consumption markets of raw materials defines necessity to use Panamax vessels. Loading of Panamax vessels at berth up to full cargo capacity.

NEW TECHNOLOGIES

Reduction of logistics expenses requires increase in handling intensity and reduction of loading terms.

RELIABLE LOGISTICS

Ice-free port. Developed railway infrastructure of the port. Retention of freight volumes in winter. Additional services for freight. A high level of technical performance of equipment.

Grain and oil cluster in the Port of Yuzhny



Advanced
technologies



Transcontinental
transport corridor



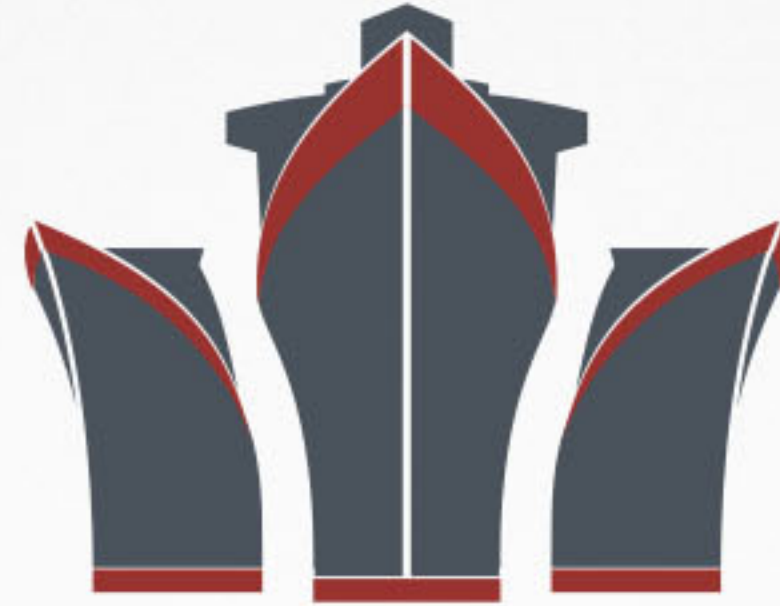
Complete services



Energy reliability



Removal of environmentally unfriendly and dusty cargos
from cities



Investing in logistics
– discovering new opportunities!