



PORT AS AN ENERGY HUB


Vision Towards the Net-Zero Future

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PORT ADVANTAGES

 **Largest port in the Baltic States**
32,7 mln. tonnes of cargo in 2023
1 mln. container TEU


 **Well connected**
Road and rail connectivity,
deep-sea container services,
daily ro-ro connections


 **Deep-water port**
-15,5 m existing channel depth
-17 m future channel depth

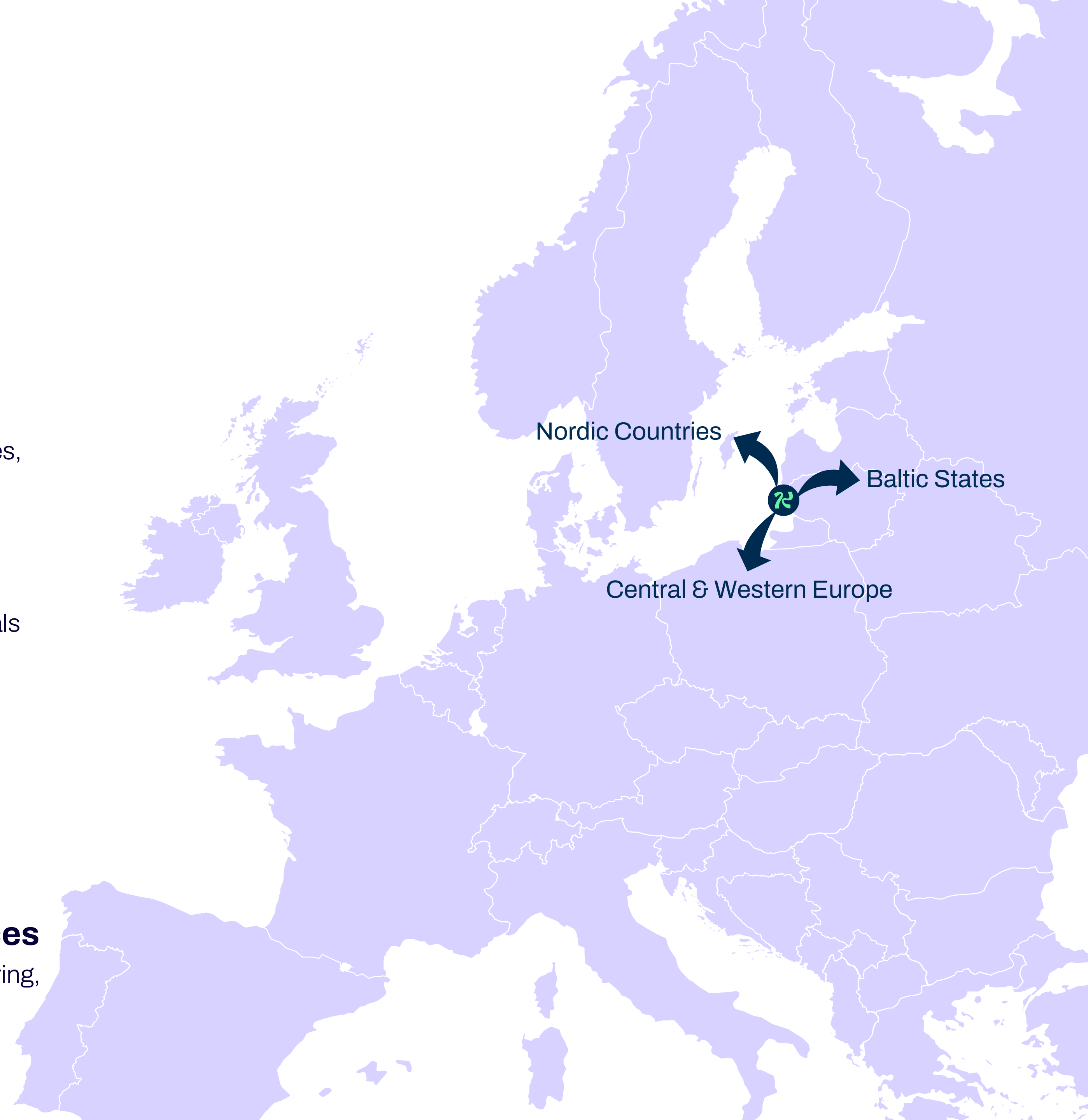
 **All cargo types**
33 specialised port terminals
23 km of quays

 **High throughput**
70 mln. tonnes annual port
cargo capacity

 **Fully digitalized**
Digital shipping and
cargo IT systems

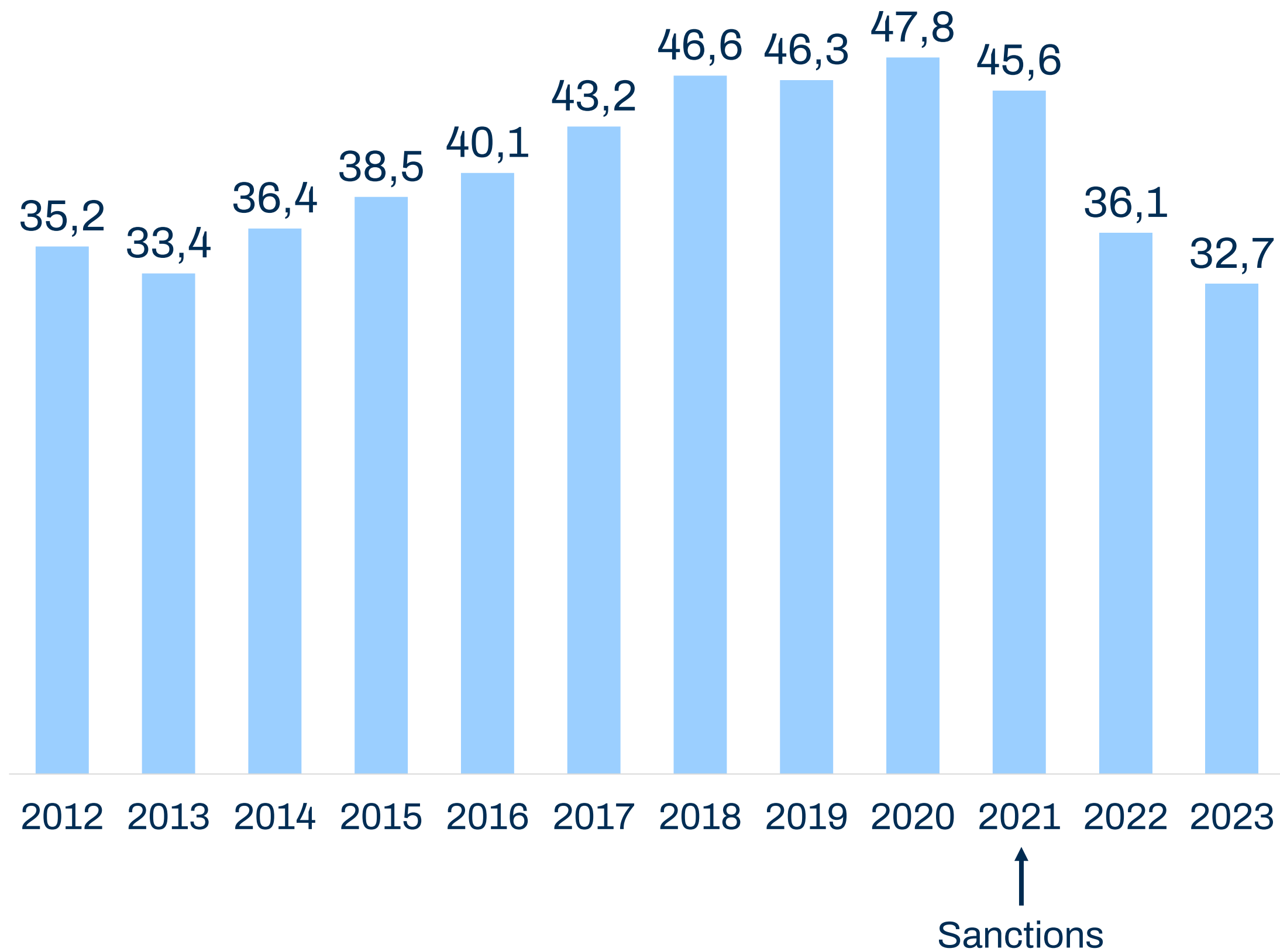
 **Congestion-free**
Quick operations and vessel
turnaround, low waiting times

 **High quality services**
LNG and traditional bunkering,
pilotage, tugs, chandlers

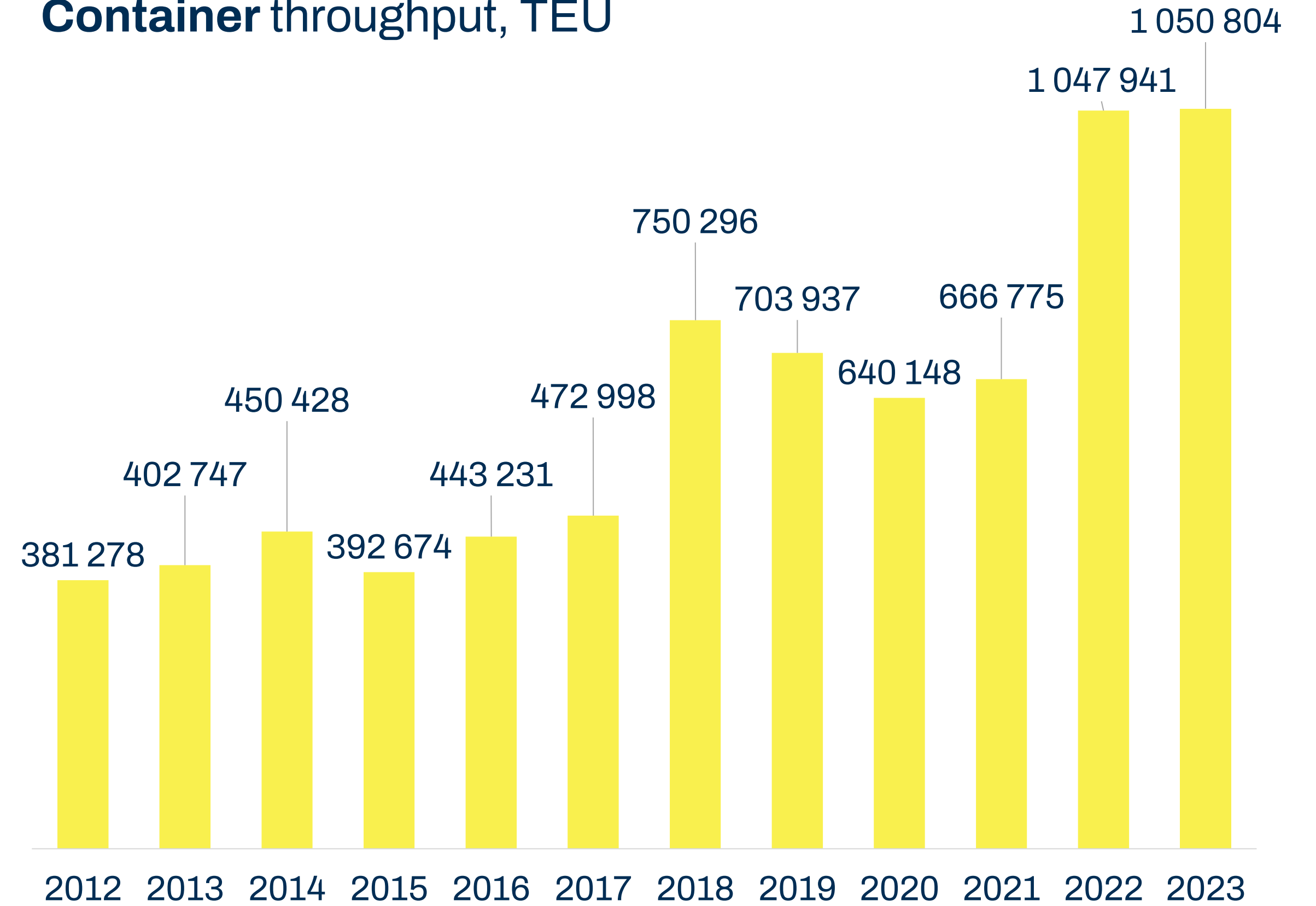


CARGO VOLUMES

Total cargo throughput, mln. tonnes



Container throughput, TEU



Vision – an innovative hub for port services, maritime industry and green energy

Existing port activities

Traditional stevedoring

Ship building and repair

Energy cargo handling (e.g. LNG)

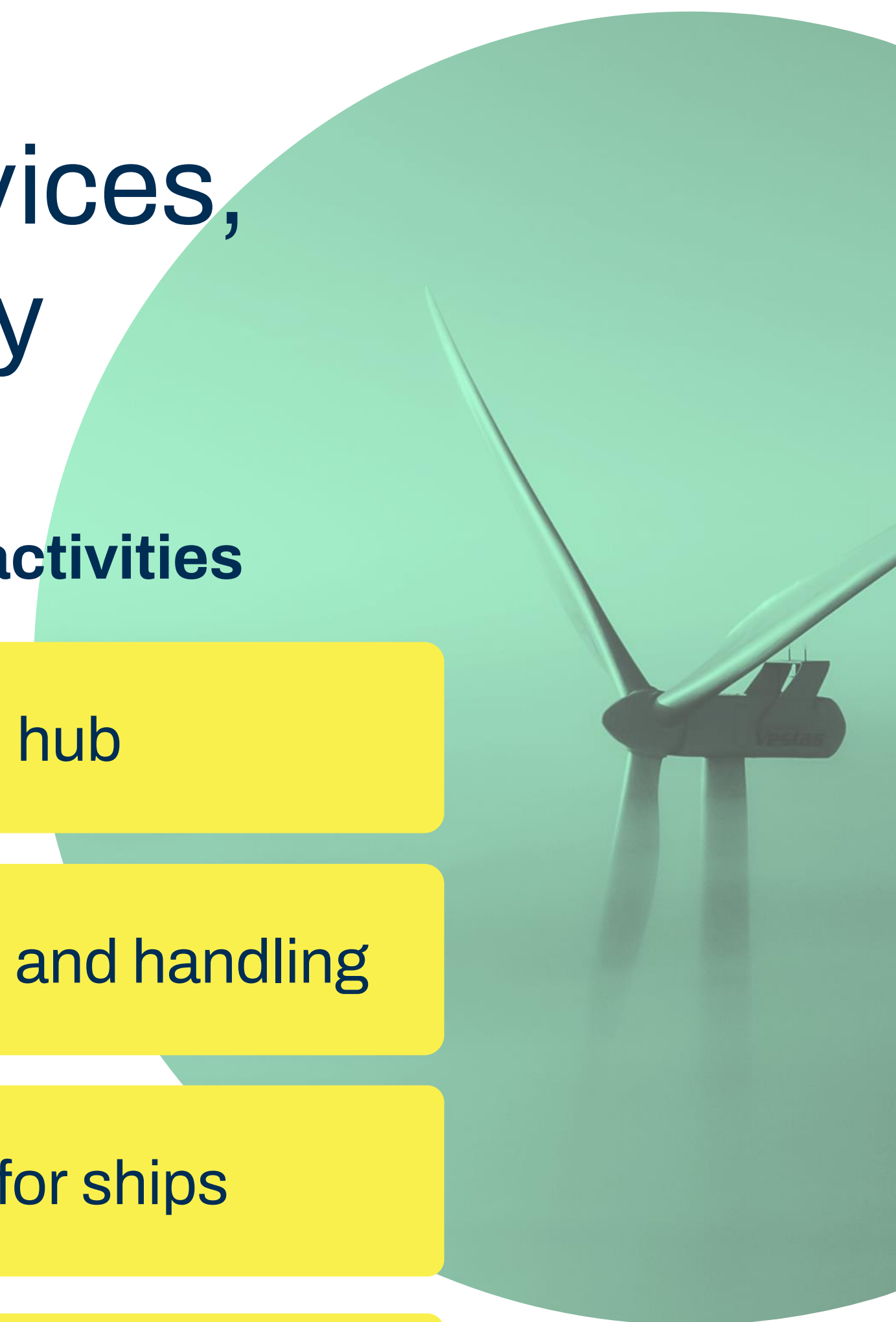
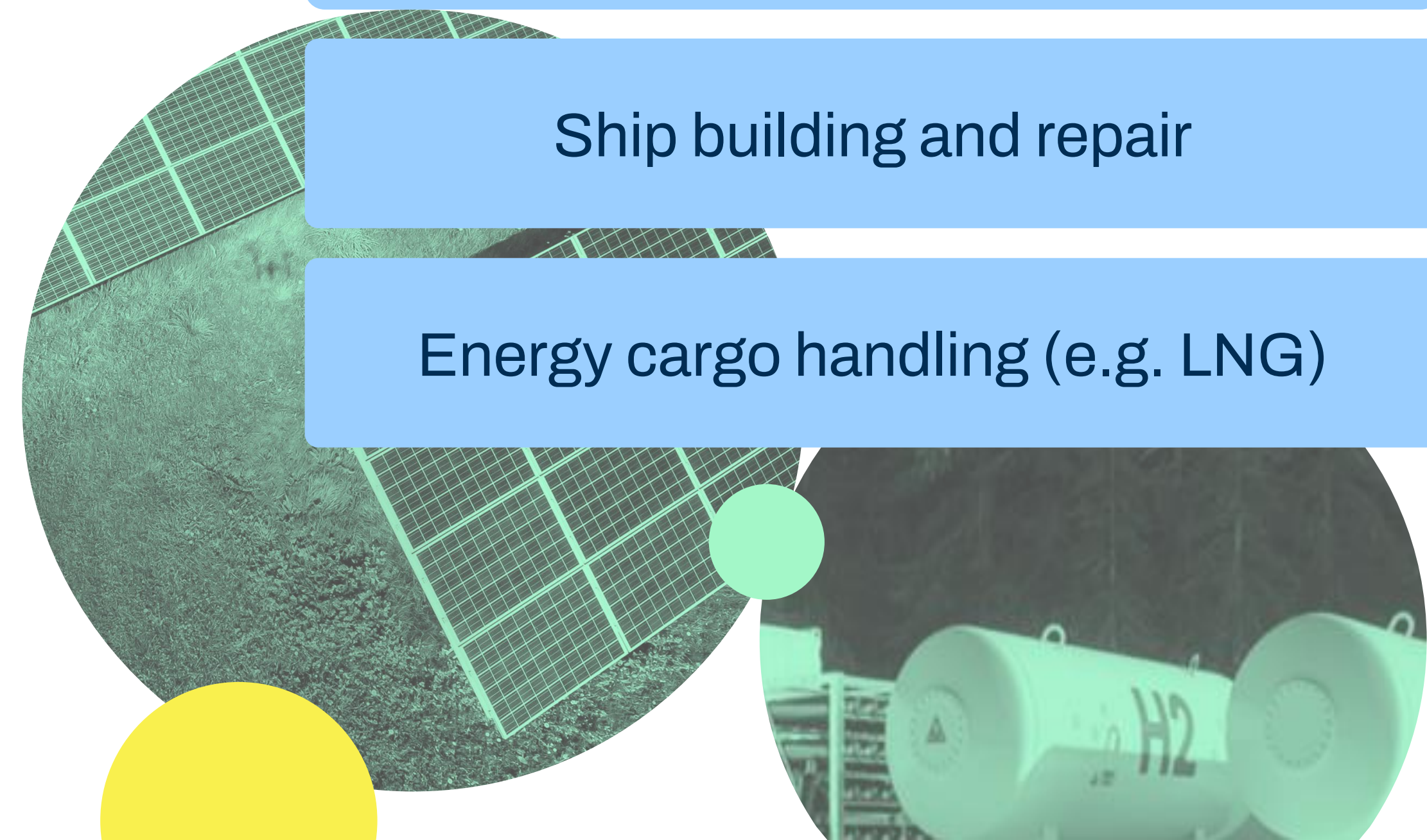
Future new port activities

Offshore wind hub

Green fuels production and handling

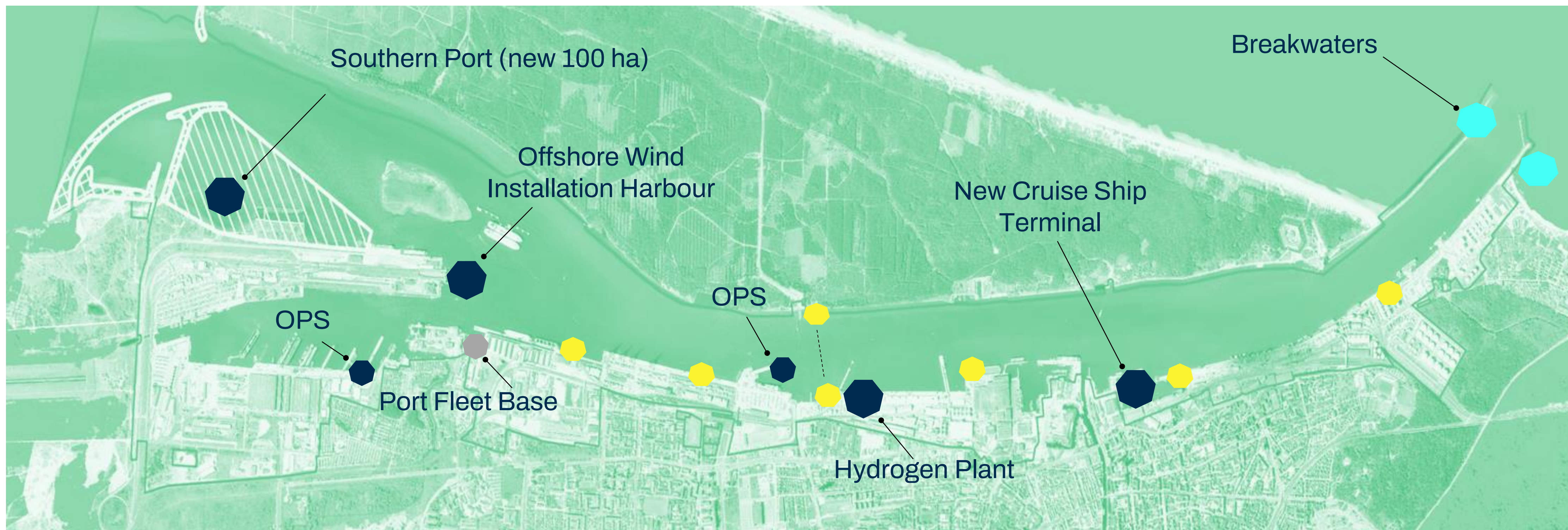
Electricity supply for ships

New commercial services



MAJOR INVESTMENTS

2024-2027




Common use
infrastructure


Quay
reconstruction


New port
territories


Objects for port
operations

GREEN PORT: HYDROGEN 2025 PRODUCTION

PROGRESS

2023 Jan
Partial EU funding
contract



2023 Dec
Environmental
impact assessment



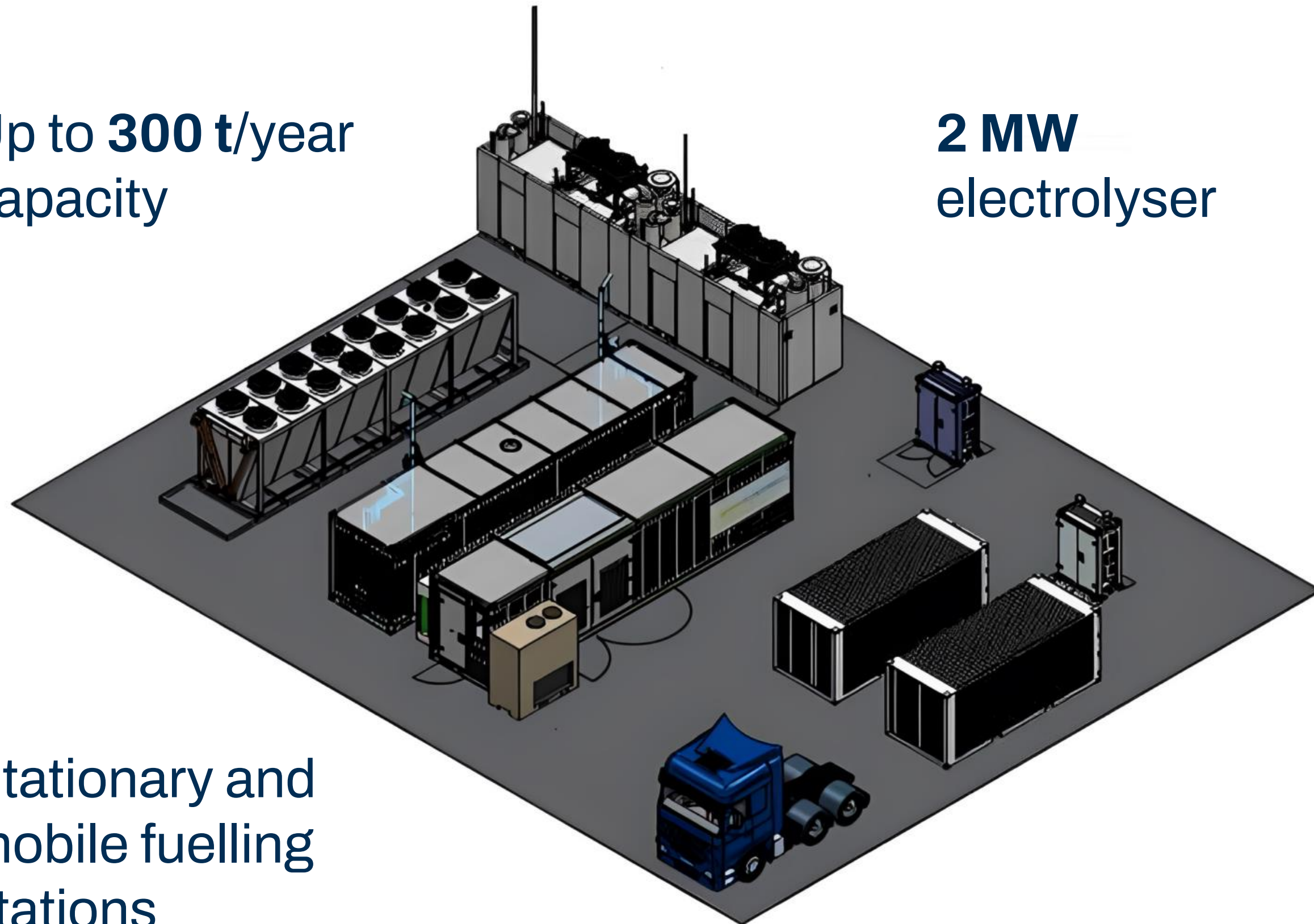
2024 May
Building permit and
documentation



2025 Apr
Start of hydrogen
production

Up to **300 t/year**
capacity

2 MW
electrolyser



Stationary and
mobile fuelling
stations



ENDURUNS hydrogen fuel cell
powered drone and mother vessel
prototypes built and tested in the
Port of Klaipėda in July 2023.

GREEN PORT: HYDROGEN PRODUCTION



GREEN PORT: NEW PORT AUTHORITY FLEET

2025



2 pilot boats

Hybrid (diesel electric)

2025



1 waste collection vessel

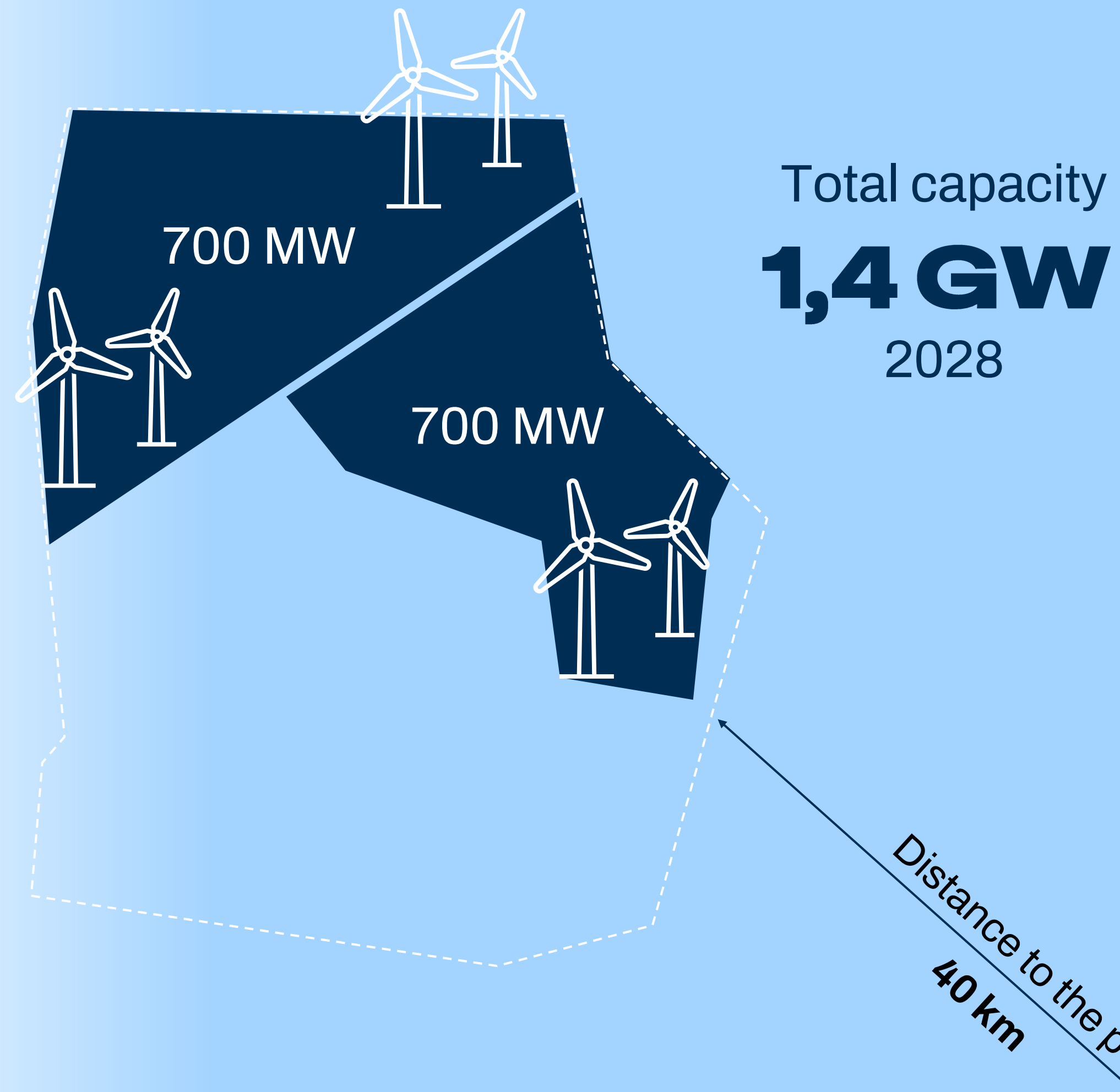
Electric and H₂ fuel cell ready

2025

EXPANSION: OFFSHORE WIND HUB

Lithuanian offshore wind farm project:

- **Stage 1, 700 MW.** Fully commercial, without state support. Developer tender winner – Ignitis Renewables + Ocean Winds.
- **Stage 2, 700 MW.** With a possible state support. Developer tender ongoing.



EXPANSION: OFFSHORE WIND INSTALLATION TERMINAL

PROGRESS

2022

Agreement with
KLASCO signed



2022

Environmental
impact assessment



2023

Geological
survey



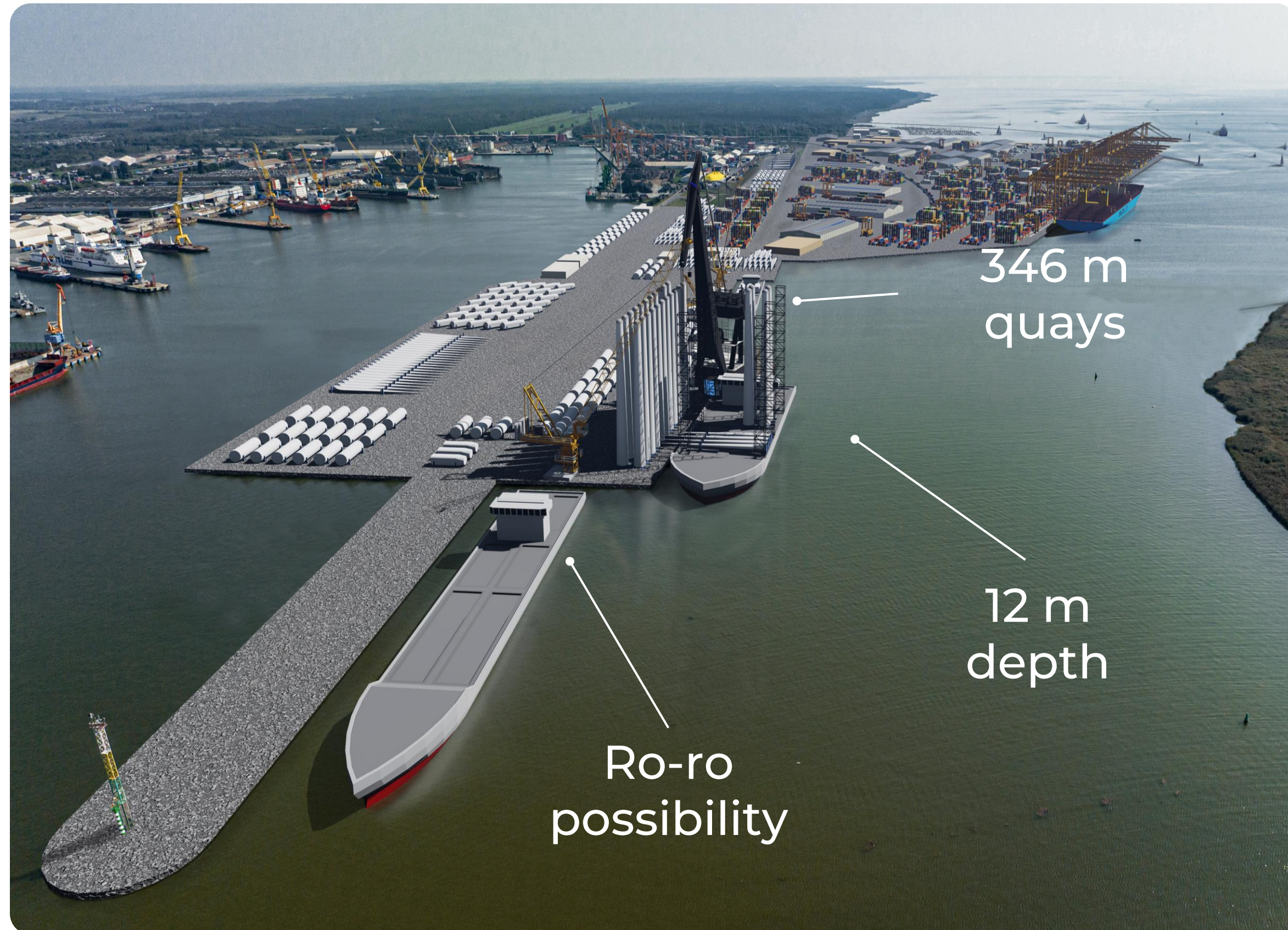
2024

Construction
permit

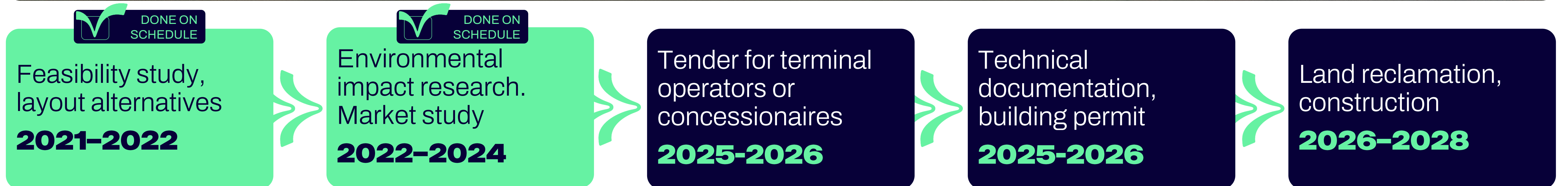


2026

Operations
start



EXPANSION: THE SOUTHERN PORT



EXPANSION: THE SOUTHERN PORT

Southern Port Potential Activities

1. Container terminal

Up to 71 ha size container terminal with a max. capacity of 2,3 mln. TEU.

2. Container repair / empty depot

Value-added services for containers (repair, cleaning) and empty container handling depot.

3. Offshore wind component factory

Territory for the offshore wind industry with a close proximity to offshore marshalling harbour.

4. Green H₂ terminal

Green hydrogen or hydrogen carrier terminal with a jetty for tankers.

5. Green vessel recycling

Expansion of the existing marine engineering industry businesses.



2025

ELECTRICITY SUPPLY FOR SHIPS

PROGRESS

2023 Aug
Design proposals



2024 Jan
EU financing
application



2024-2025
Design and construction
of electricity lines

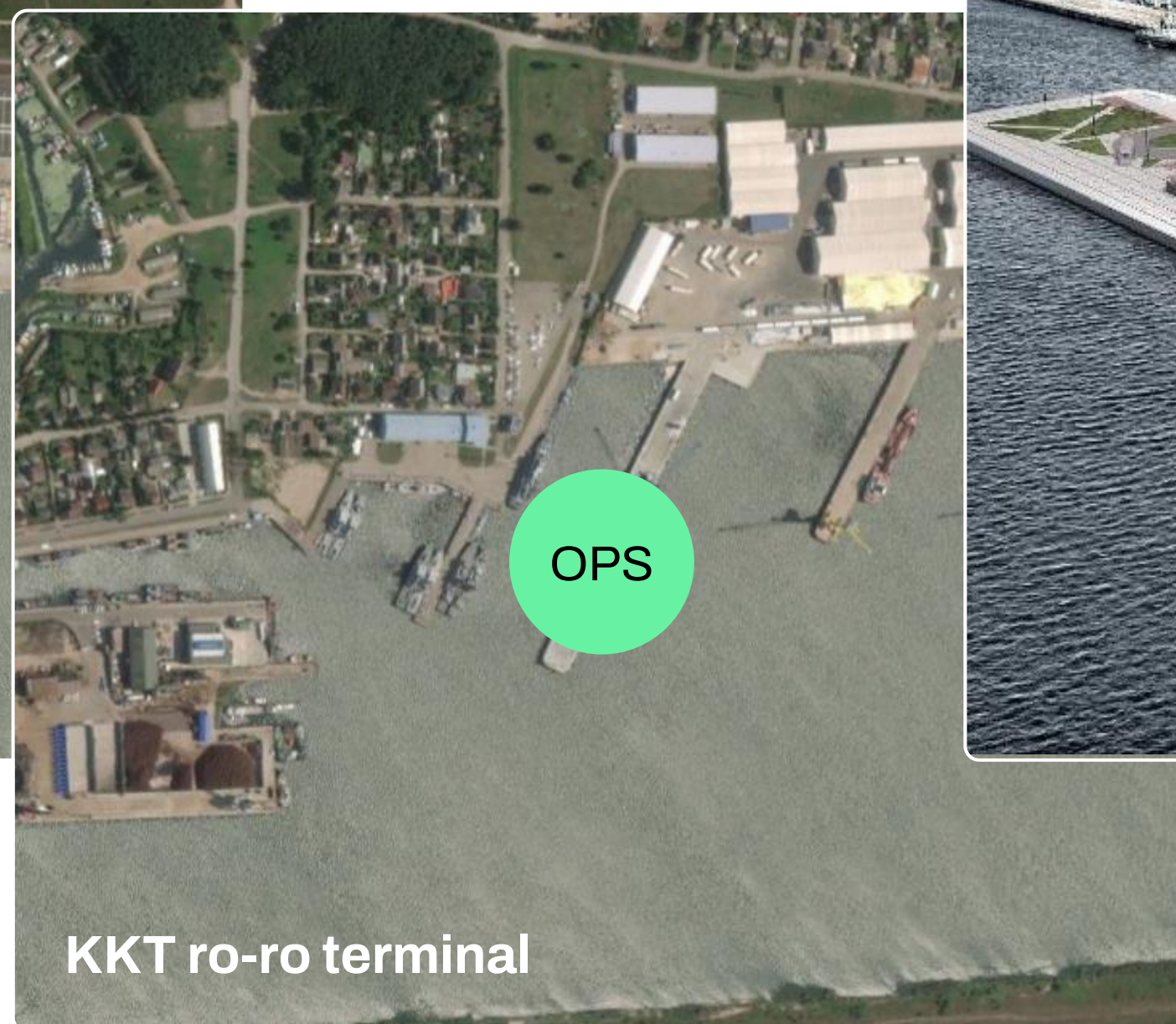


2025
Start of OPS
operation



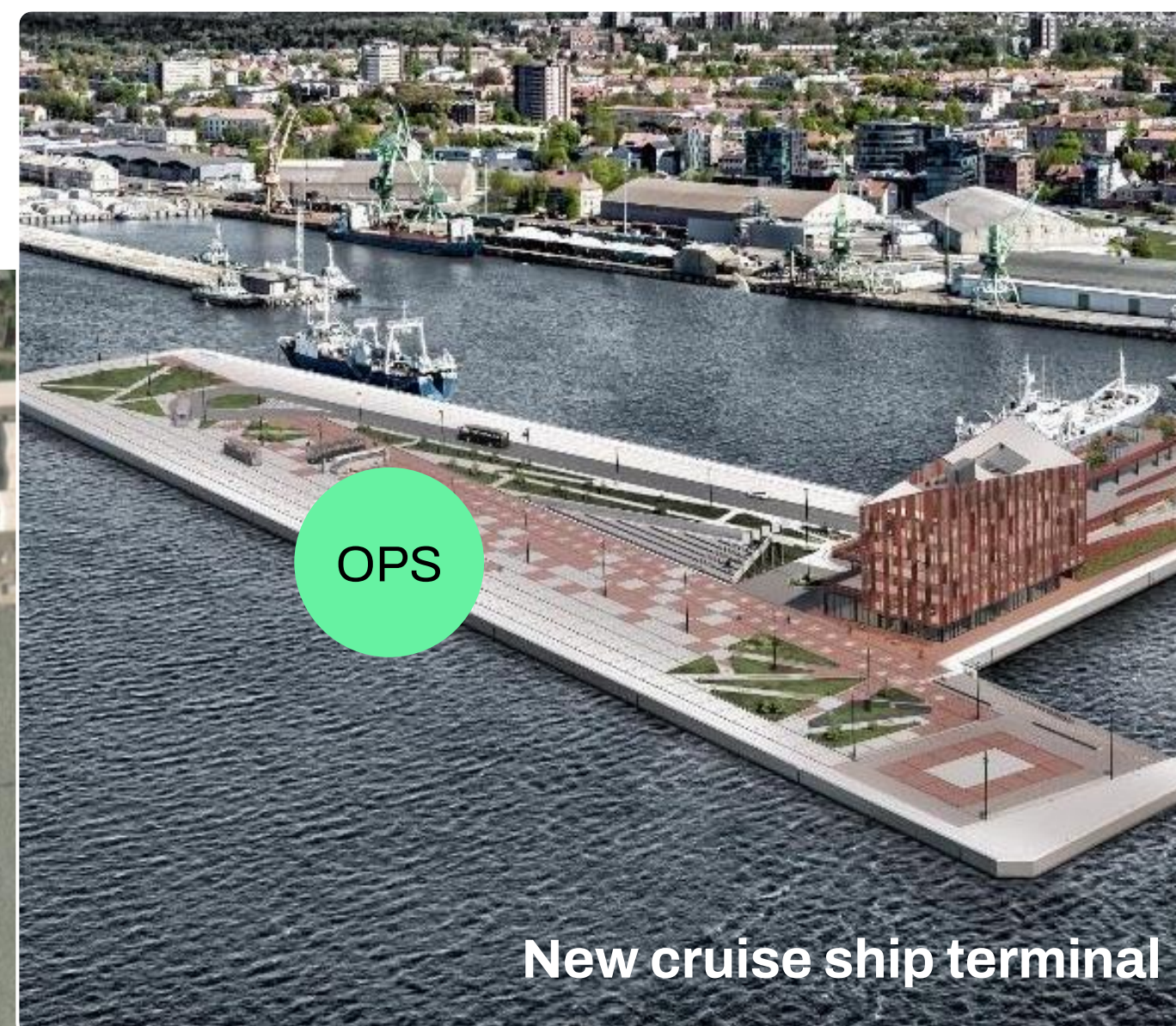
CKT ro-ro terminal

OPS



KKT ro-ro terminal

OPS



OPS

New cruise ship terminal



**OPS (onshore
power supply)**



**PORT OF
KLAIPĖDA**

**ALWAYS
WORKS**