

An aerial photograph of the Port of Tallinn, Estonia, showing the harbor, city buildings, and several ships docked at the piers. The image is overlaid with a semi-transparent blue filter.

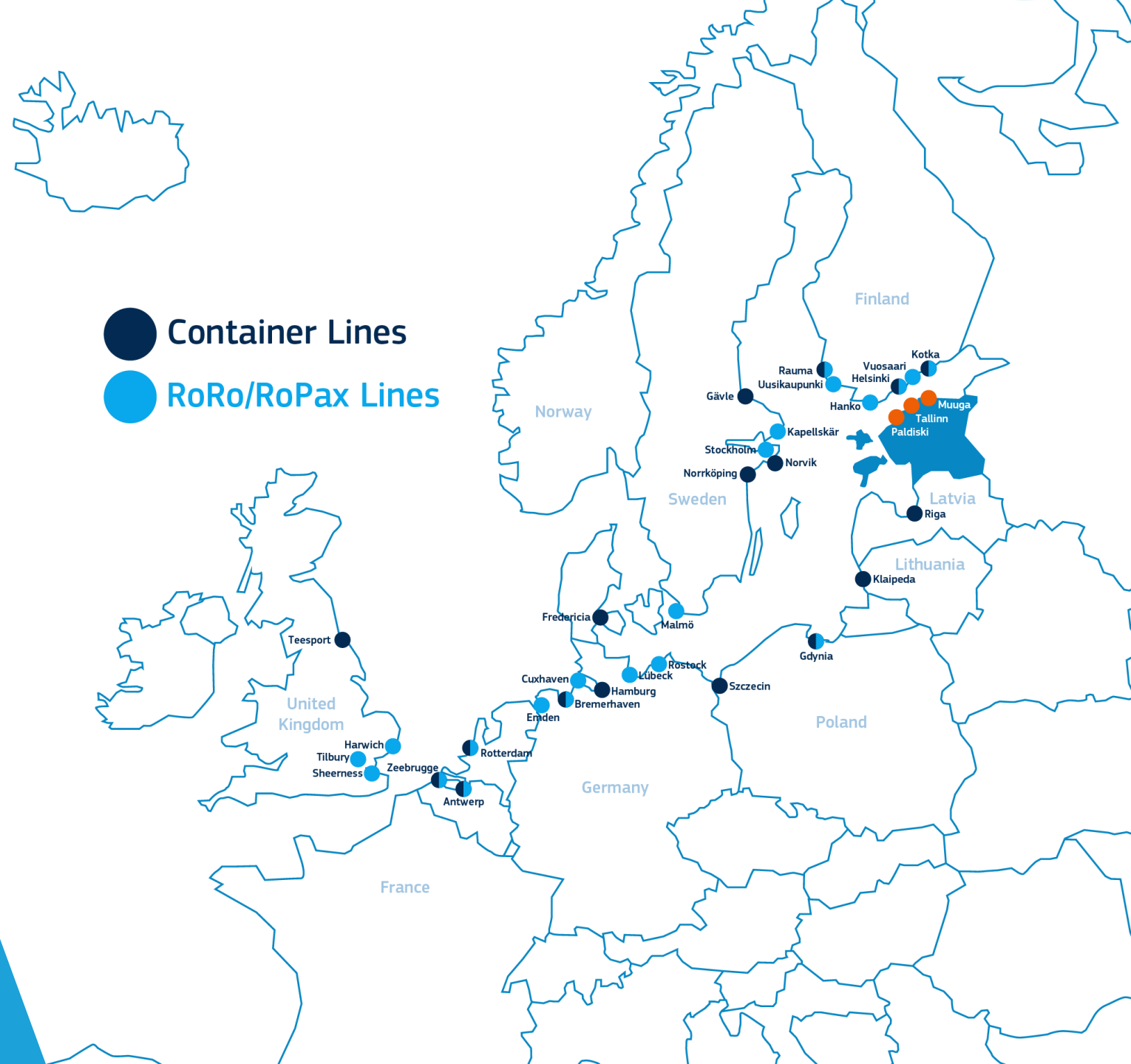
PORT OF  TALLINN

Business overview

Location

Well Positioned as a gateway to hundreds of millions of customers.

- Excellent road-, rail- and maritime connections for multimodality
- Regular daily connections with Scandinavian and European ports
- Ideal geographical location with low business risk for nearshoring



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PORT OF  TALLINN

Company

NASDAQ
BALTIC AWARDS



2021 INVESTOR RELATIONS
OF THE YEAR

Port of Tallinn is a Listed Company

Port of Tallinn is listed on Nasdaq Tallinn
Stock Exchange since June 13, 2018.

Shareholders include:

67% Republic of Estonia

33% Investment funds,
pension funds, private investors

Nasdaq acknowledged Port of Tallinn as
the most remarkable stock exchange
debut of the year.



PORT OF  TALLINN



BUSINESS FIELDS

Passengers

- 10+ mln passengers a year
 - 5450 ferry calls a year
- Old City Harbour and Saaremaa Harbour
- Welcoming passenger ships, offering and developing the port infrastructure, serving passengers and vehicles

Cargo

- 20+ mln tons of cargo a year
- 1637 cargo ship calls a year
- Muuga Harbour, Paldiski South Harbour
 - Welcoming cargo ships, offering and developing the port infrastructure, serving passengers and vehicles

Shipping

- Operating ferry traffic between the mainland and major islands
- 2 mln passengers, 1 mln vehicles a year
- Ice breaking in the ports of Northern Estonia

Real Estate

- 16 ha Old City Harbour real estate development
- 76 ha Muuga Industrial Park
- 39 ha Paldiski South Harbour Industrial Park
 - 10 ha Saaremaa Harbour
- Land and commercial space

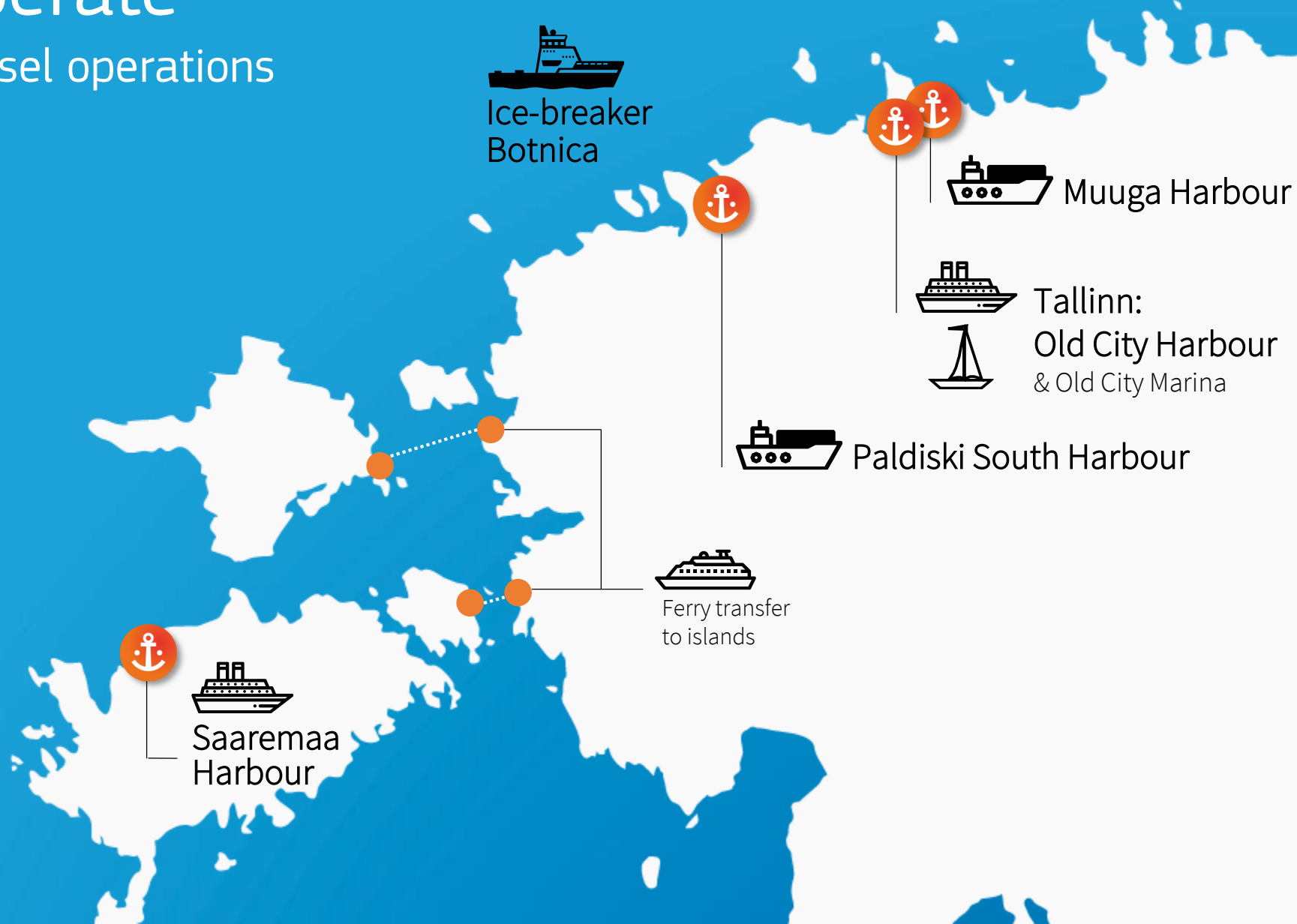
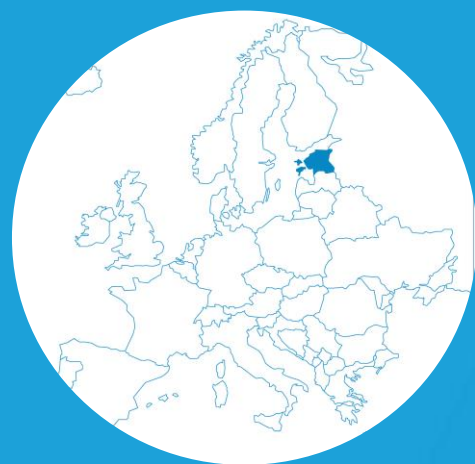


Where we operate

from harbours to vessel operations

Port of Tallinn doesn't by far mean ports in the city limits of Tallinn.

Port of Tallinn is a port complex with harbours located all over Estonia.





Old City Harbour



Muuga Harbour



Paldiski South Harbour



Saaremaa Harbour

Green Port

Socially, Economically and Environmentally responsible company:

- Reducing the ecological footprint and striving for **climate neutrality**
- 100% **green electricity** for our customers
- Future **Hydrogen and wind power HUB** for the region
- Port infrastructure for **offshore wind parks** in the Baltic Sea area
- **Shore power, automatic mooring** for ferries
- **Seawater heating/cooling** solutions for buildings
- **Circular waste management**
- Supporting the marine and shoreside biodiversity
- Founding member of the Estonian Association for Environmental Management, Ecoports and a supporting member of the **C40 World Ports Climate Declaration**
- Cooperate with Estonian and international organizations, scientific establishments and research institutions and consultation companies.
- Rising the **environmental awareness** of our stakeholders

Smart Port

Most innovative port along the shores of the Baltic Sea:

- **Smart Port** – a unique traffic management solution in the world that includes:
 - license plate recognition, dimensions (width, length, height, weight); automatic lanes and intelligent screens throughout the port, smart and seamless flow of vehicles, fully integrated and automated port permit system.
- **Digital Twin** – digitalized port infrastructure that includes:
 - GIS – all assets are digitalized and geolocated; Building Information Modelling (BIM models) used for infra- and superstructure; sensors for smart lighting and heating, IoT-AI-drones for inspections.
- **Greenhouse Gas Monitoring** – moving towards a climate positive future:
 - collection and monitoring of information throughout the Port related maritime ecosystem including port, terminals, traffic etc information.
- **Process Management approach and Digital Strategy** – clear focus on business critical developments.

Revenue structure and main customers

Passenger Harbours

Regular lines



Cruise



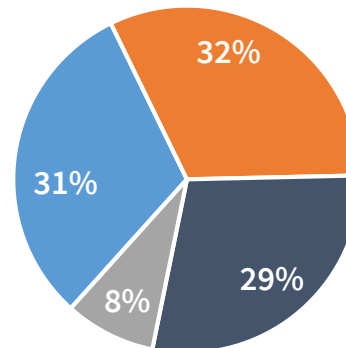
Offshore and icebreaking



Republic of Estonia



Revenue 2022



Cargo Harbours

Terminal operators



Shipping lines



Ferry



Republic of Estonia

PORT OF  TALLINN

Harbours


Vopak E.O.S.

2

3



TALLINN OLD CITY HARBOUR

Estonia's Biggest
Tourism Gateway

PORT OF  TALLINN

- Passengers:
ferries,
cruises,
yachts
- Ro-Ro

Territory	55,3 ha
Aquatory	94 ha
Tot. length of berths	5 km
Number of berths	24
Max. Depth	10,7 m
Max. Ship Length	340+ m



Masterplan of the Old City Harbour

Zaha Hadid Architects

Creating the seaside city



Terminal D

- Solar panels
- LED lighting
- CO₂ and temperature-controlled ventilation system
- Natural smoke extraction system
- Waterless urinals
- Double facade to reduce cooling requirements
- Interior architecture includes natural wood and wildlife – plenty of plants and ornamental trees



Cruise terminal

- BIM project
- Seawater-based heating and cooling
- Solar panels and renewable energy
- Kebony wood with lower carbon footprint
- Real plants and smart ventilation
- Innovative wastewater reception facilities



Kick-off of the new Terminal A





MUUGA HARBOUR

Estonia's Biggest
Cargo Harbour

Territory 567 ha
Aquatory 682 ha
Tot. length of berths 6,4 km
Number of berths 29
Max. Depth 18 m
Max. Ship Length 300+ m

- Containers
- Liquid bulk
- Dry bulk
- General cargo
- Ro-ro

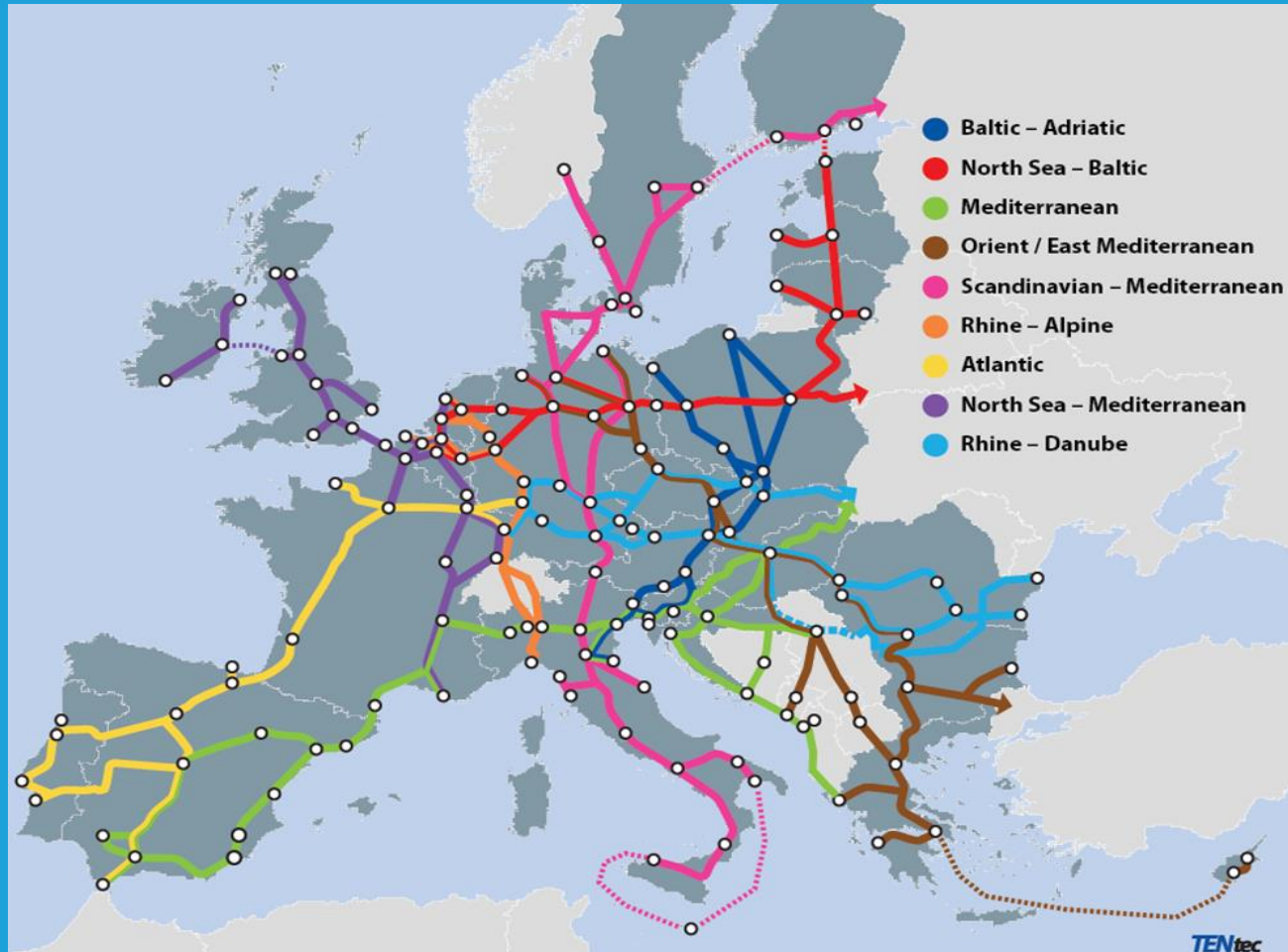


Rail Baltica



Rail Baltica

Muuga will be be the only port in the Baltics having terminal inside the Port area



Muuga Industrial Park





PALDISKI SOUTH HARBOUR

Port of Tallinn's Second Biggest
Cargo Harbour

- Ro-ro
- General cargo
- Dry bulk
- Liquid bulk

Territory	119 ha
Aquatory	147 ha
Tot. length of berths	1,85 km
Number of berths	10
Max. Depth	14,5 m
Max. Ship Length	230 m



Future servicing base for offshore wind farms

Dedicated offshore wind quay, completed by 2025



Paldiski South Harbour Industrial Park

Plots & Development Plans



Industrial Park
area
17 ha

Industrial Park
area
23 ha

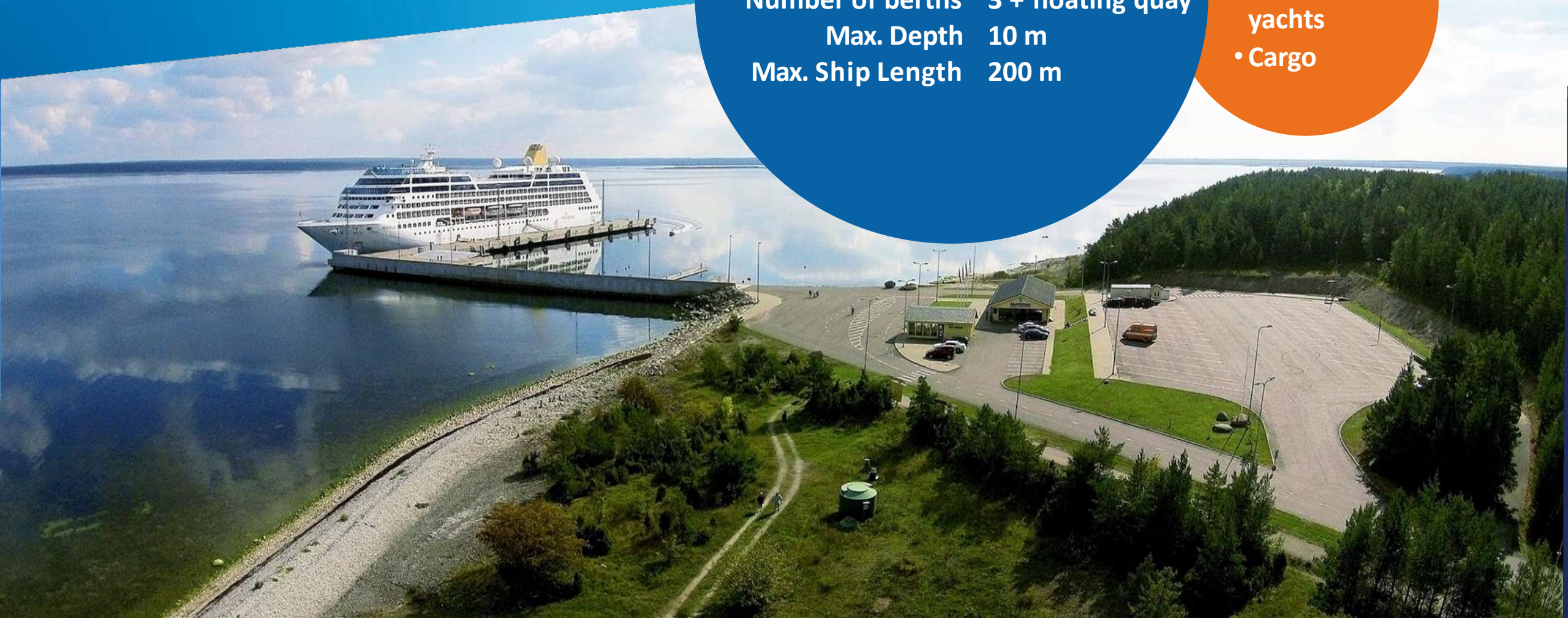


SAAREMAA HARBOUR

Deepwater Harbour on
Estonia's Biggest Island

Territory	20 ha
Aquatory	41 ha
Tot. length of berths	445 m
Number of berths	3 + floating quay
Max. Depth	10 m
Max. Ship Length	200 m

- Passengers:
cruises,
yachts
- Cargo





Port of Saaremaa

Offshore Service Port

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Green and Smart examples

Automooring

- 3 quays
- For ships on the shorter sea routes
- Shorter mooring time and lower fuel consumption
- Less air pollution
- Less noise and vibration
- In use from 2021
- Eg. M/S Star decrease per year:
 - 300 t of fuel
 - 945 t CO₂



Shore power connections

- Quays no 3, 5, 7, 12, 13
- Connecting ships in 2021
- Ships of the Finnish and Swedish route
- Less air pollution, noise and vibration
- 1 ship 7 h per day, decrease per year:
 - 1440 t CO₂;
 - 20 t NO_x;
 - 820 kg SO_x;
 - 2,5-3% fuel consumption
- Frequency 50 Hz, voltage 11kV



FIN-EST

Green Corridor



KLIIMAMINISTEERIUM



Pre-gate

Pre-gate recognition – license plate recognition, dimensions (width, length, height, weight), directs vehicles to the correct CI lane

Check-in

CI area – automatic lanes, lanes with kiosks with personnel, directing the vehicle to the collection area

Gathering area

Collection area – customizable information displays, managing the loading with traffic lights.

Loading area – displaying passenger info on screens

Port of Tallinn Digital Twin

Links to document management software

Digital work orders based on port assets

Smart Port - intelligent system which automates the vehicle traffic and shortens the time passenger cars and trucks spend on harbour premises

Building BIM:
Information Modeling

CRM
Customer Relationship Management

GIS

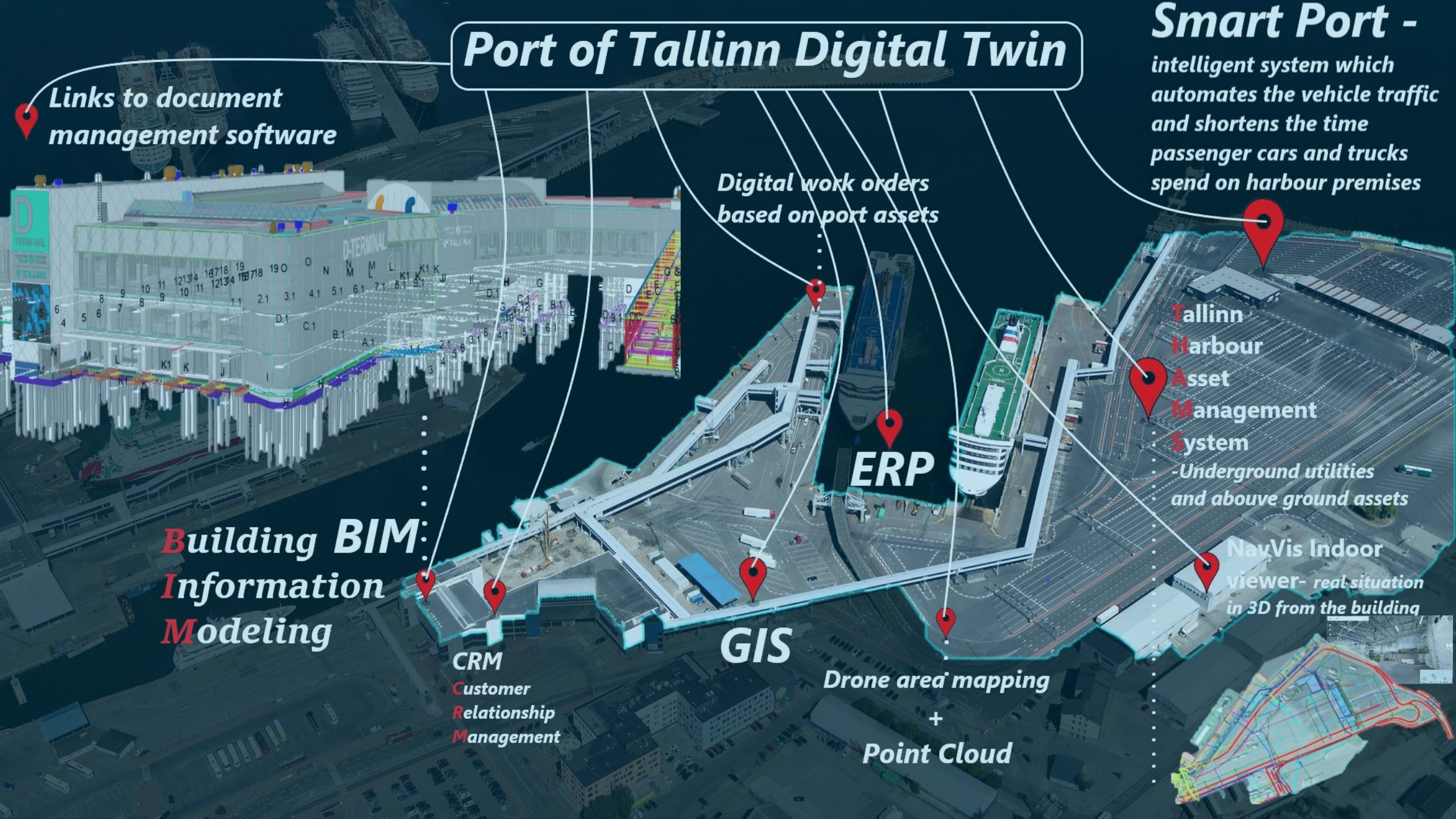
Drone area mapping

+
Point Cloud

Tallinn Harbour Asset Management System

- Underground utilities and above ground assets

NavVis Indoor viewer - real situation in 3D from the building



Thank You!

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ts.ee/en

ts.ee/en/investor

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