



Smart Port Solution at Port of Tallinn:

PORT OF  TALLINN
The Port of Good News

PORT OF  TALLINN

HARBOURS

FROM CARGO TO CRUISE


Saaremaa
Harbour

Tallinn



Muuga Harbour



Old City Harbour



Old City Marina



Paldiski South Harbour

PORT OF TALLINN

Business Fields



Passengers

*10.6 M
passengers
a year*



Cargo

*20.6 M
tons a year*



Shipping

*5 ferries:
2.3 M passengers &
1 M vehicles a year;
Ice-breaker Botnica*



Real Estate

*Old City Harbour
Development 16 ha
Muuga Industrial Park 76 ha
Paldiski Industrial Park 34 ha*

Organization

The company in a nutshell

- Port of Tallinn is a **landlord port**
- **We provide infrastructure** – land, quays and sea approaches
- **Private operators provide superstructure:** handling equipment and warehousing
- Ca **500 employees** in Port of Tallinn group

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PORT OF
TALLINN 

Governance

Listed on Nasdaq Tallinn SE since 13.06.2018

1) Shareholders meeting

67% Republic of Estonia

33% Investment funds, pension funds, private investors

2) Supervisory Board

6 members, appointed by shareholders meeting

3) Management Board

3 members, appointed by Supervisory Board



Strategic Goals

& Values



Our VISION:

Port of Tallinn aims to become *the most innovative port on the shores of the Baltic Sea* by offering its customers the best *environment* and *development opportunities*.



Our VALUES:

Port of Tallinn values the following:
openness, smartness and *trustworthiness*.



PORT OF  TALLINN

Smart Port

Traffic Management System

Smart Port?

GREATER EFFICIENCY FOR TRUCK AND CONTAINER MOVEMENTS THE RIGHT INFORMATION, IN THE RIGHT PLACE, IN TIME



Smart Port Logistics powered by



Container Stacking & Storage



Intelligent traffic-flow management for ports



Rather unique, automatic check-in system with license plate recognition-solution and port area traffic management for the passengers with vehicles

at the ports with single or multiple ferry operators.



The Goal

is to minimize the time spent in the port by providing a fully integrated and all-inclusive, easy to understand service for passengers with vehicles



- **Simplify** and **accelerate** check-in processes
- **Shorten** check-in time for the vehicles
- **Better utilization** of the port area
- **Minimize** port staff

SMART PORT Application

- A traffic management solution organizing pre check-in, check-in and line management for ports with multiple ferry operators by providing holistic and easy to understand service for passengers with vehicles.
- Improving passenger experience and reducing environmental impact.
- Developed in cooperation with Nortal and Hansab
- Tight cooperation with ferry operators – Tallink, Viking Line, Eckerö Line, Moby SPL and with ports of Kristiansand, Helsinki, Stockholm and other neighbouring ports.
- Fully operational since 2018



Values for the passenger



- **Easy to use** service
 - Check-in processes
 - Line management flow (gates, displays, etc.)
- **Shorter waiting time** on the port area
- Improved user **experience**





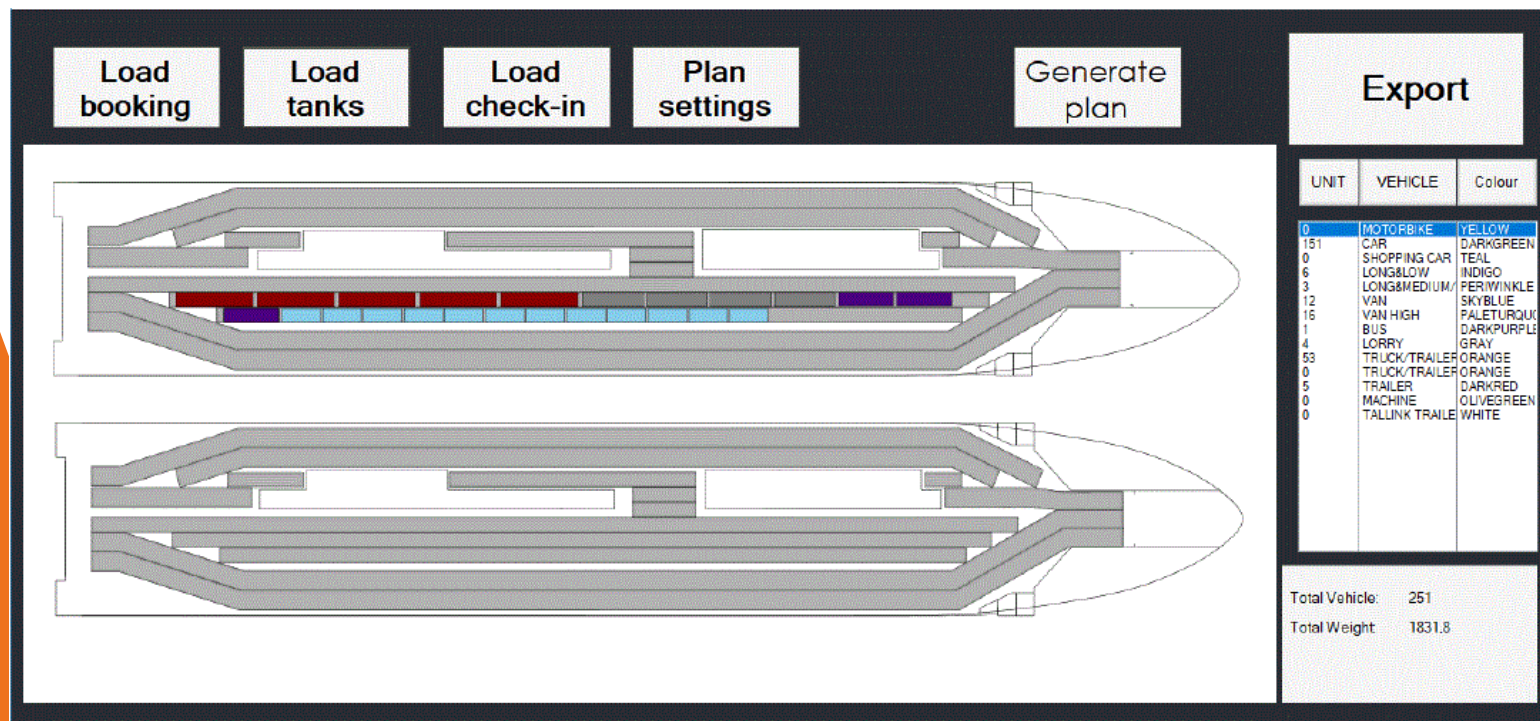
Values for the port

- Efficient use of the port area
- Shorter time spent to load and unload the vehicles to the ship
- Efficient use of the vehicle check-in points
- Less “useless” time for passenger to spend on the port area
- Clear traffic management at the port
- Reduced CO2 emission
- Tools for the port personnel to run the daily operations



Values for the operator

- Automated input for loading the ship
- Quicker loading of the ship
- Reduced waiting time at the port area for the passengers
- Improved travel experience



UNIT	VEHICLE	Colour
0	MOTORBIKE	YELLOW
151	CAR	DARKGREEN
0	SHOPPING CAR	TEAL
6	LONG&LOW	INDIGO
3	LONG&MEDIUM	PERIWINKLE
12	VAN	SKYBLUE
16	VAN HIGH	PALETURQU
1	BUS	DARKPURPLE
4	LORRY	GRAY
53	TRUCK/TRAILER	ORANGE
0	TRUCK/TRAILER	ORANGE
0	TRAILER	DARKRED
5	MACHINE	OLIVEGREEN
0	TALLINK TRAILER	WHITE

Total Vehicle: 251
Total Weight: 1831.8

Smart Port for Estonian ferry ports

- TS Laevad - subsidiary company of Port of Tallinn
- Operates 4 ports connecting **Estonian mainland** to the islands of Hiiumaa and Saaremaa
- Fully integrated ticketing system
- Go-live was in the fall 2016
- More than **2,3 million passengers** per year use the service



Smart Port 2.0 for cargo ports

- Several terminals and gates
- **Combined** number plate recognition, permits and gate operations
- Different **hardware** (screens, measurement systems)
- Different security and **traffic control** hardware
- Platform for **data exchange** among users



Tomorrow
belongs to those
who can hear it
coming

David Bowie





Thank You!

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www.portoftallinn.com

  [portoftallinn](https://www.youtube.com/portoftallinn)