Smart Port Solution at Port of Tallinn:
PORT OF TALLINN

HARBOURS
FROM CARGO TO CRUISE

- Muuga Harbour
- Old City Harbour
- Old City Marina
- Paldiski South Harbour
- Saaremaa Harbour
PORT OF TALLINN

Business Fields

10.6 M passengers a year

20.6 M tons a year

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

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

Real Estate
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
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
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.
Smart Port
Traffic Management System
Smart Port?
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
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!

PORT OF TALLINN

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