


CASE STUDY

LED DIGITAL SIGNAGE DISPLAYS
TO PORT OF TALLINN, ESTONIA



Built by

AMPRON



LED digital signage displays had to be fit for purpose for the port and sea area. They had to be easily manageable and deeply integrated into the third-party software to reach the goal of deep automation.

CUSTOMER

Port of Tallinn

ABOUT

Port of Tallinn is the biggest port authority in Estonia. Taking into account both cargo and passenger traffic, it is one of the largest port enterprises of the Baltic Sea.

PROJECT

Smart Port Solution to Port of Tallinn Terminal A and D

LOCATION

Port of Tallinn, Estonia



BACKGROUND


Smart Port Project is a traffic flow management solution organizing pre-check in, check-in and line management for ports with multiple ferry operators by providing easy to understand service for people with trucks and cars. Smart Port Project reduces passengers waiting time in the harbor, providing an enjoyable service.

Old City Harbour is one of the biggest and busiest passenger harbours in the Baltic region. It is also the biggest passenger harbor for both Port of Tallinn and Estonia.

CUSTOMER CHALLENGE

When a vehicle enters the port area, the front and back numbers are detected, the height/width/length is measured, and a vehicle is weighed on the road using a special WIM weigh in motion system.

Data received from the number detection and measurement systems is automatically transmitted to the port management system, which checks the existence and conformity of the booking and provides further guidance to the driver at the end of the detection area.



Port needed to show the information for passengers to take next actions. Passengers need to make decisions at the right time to drive towards right destination.

LED digital signage displays had to be fit for purpose for the port and sea area. They also had to be easily manageable and deeply integrated into the third-party software to reach the goal of deep automation.

OUR SOLUTION

The project at hand was a massive undertaking. Port got LED message boards with capabilities that we think they could not imagine at the time. As there are not many manufacturers who could provide such modern content management options within the rugged design.

We provided various sizes of our displays to be set up in the testing area, just to convince the project team. Just to make the decision making easier. That gave the valuable option for the project team to make decisions on the various sizes of displays they needed and for developers to get a grasp of the possibilities.



Delivered solution is suitable for use at the port conditions. Display information helps direct the passengers safely to their destination. With high quality and deeply integrated into their software. Our software-based communication protocol provides easy and seamless integration to ticketing software.



STATUS

Delivery was done in various phases:

- First delivery to Terminal A in 2016
- Terminal D displays were delivered in 2017



OUR DELIVERABLES

AmpronLED Software

FOR TERMINAL A

- 30 pcs. - DR-720×720 P8
- 13 pcs. - DR-1040×660 P6
- 25 pcs. - DR-1040×720 P10
- 10 pcs. - DR-1040×1040 P10
- 19 pcs. - DR-2000×1040 P10

FOR TERMINAL D

- 25 pcs. - DR-1040×660 P6
- 15 pcs. - DR-1040×720 P10
- 16 pcs. - DR-1040×1040 P10
- 58 pcs. - DR-2000×1040 P10

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AMPRON 

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AND RELATED SMART CITY SOLUTIONS

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