



Port of Tallinn, Estonia



“NETAVIS enables the flexible and mobile management of the video surveillance and recording system installed at four Estonian harbours which are geographically located in different areas.”

SIIRI LÕHMUS
HEAD OF SAFETY AND SECURITY DEPARTMENT
PORT OF TALLINN

Security and logistics monitoring at the biggest port on the shores of the Baltic sea is conveniently realised with NETAVIS software on only one network infrastructure.

Challenge

The Port of Tallinn is the biggest port authority in Estonia and with 36.5m tons of cargo, 8.5m passengers and 7.500 ship calls in 2011 also the biggest port on the shores of the Baltic Sea. It consists of five constituent harbours with a territory of 775 ha. Within the next years, the area will be expanded by another 175 ha to a total of 950 ha.

Logistics monitoring and control as well as a high security and safety level is crucial for Port of Tallinn. In terms of cost efficiency the management wants to share extensive hardware infrastructure for the IT and logistics department with the physical security department. The new solution has to be easily scalable for further developments of the harbour territory and yet stable and robust to ensure smooth operations.

Solution

At the moment 310 network cameras are installed on four harbours. This distributed video surveillance installation is governed by NETAVIS Observer, a professional IP

based platform for video management with powerful integrated modules and interfaces. The software is known for high compliance, best-in-class performance and unrivalled adaptability for customer requirements.

The highly efficient video compression technology and adaptable video streaming feature ABS reduces network load and assures bandwidth management. Both, logistics as well as security operators, use the optional module NETAVIS Layout Navigation in the control rooms to navigate between the scenes.

The seamlessly integrated NETAVIS iCAT video analytics is able to detect passengers or cars moving in the wrong direction within a corridor and show the particular camera as pop-up on the video wall. With the I/O interface it is possible to open a train gate by clicking a customised button directly in the live view of the gate. Thus steering of logistic operations is made easy with NETAVIS.

NETAVIS Client for Smartphone & Tablet enables the security department management to have a quick overview of a situation from outside the control rooms too.

Benefit

Security and IT hardware e.g. storage, network infrastructure, etc. is shared in this solution. Besides cost efficiency this results in higher system stability due to easier hardware maintenance. Another stability factor in large installations like is the network load. The reliable video compression technology NETAVIS ABS balances the available, defined bandwidth between all camera streams of a live multi camera view and reduces noise.

Another important benefit for the port is the high flexibility and scalability of this solution as the extension of the territory is planned in the near future. It is extremely easy to deploy any amount of additional cameras or modules like number plate recognition due to floating licensing.



SECTOR:	Transport
LOCATION:	Tallinn, Estonia
SOFTWARE VERSION:	NETAVIS Observer 4, Enterprise Edition
SPECIAL FEATURES:	ABS Bandwidth Management, Floating Licensing, Layout Navigation, iCAT Video Analytics
TECHNICAL DETAILS:	Currently 310 cameras and 50 users, Distributed network on 4 harbours