# Success-Story

## Safe harbor: Network-based video surveillance protects port facilities in Hamburg and Bremerhaven

# Eurogate GmbH

### The challenge

**On July 1, 2004, the regulations of the "International Ship and Port Facility Security Code" (ISPS Code) came into force. In the wake of the terrorist attacks of September 11, 2001, a variety of new laws and regulations were created to avert such terrorist attacks; among them, the ISPS Code is of paramount importance for shipping and handling companies. Facing the risk of being excluded from international sea traffic, these companies were forced to commit themselves to review their processes for ships and port facilities and to implement technical means and resources within a specified time frame in order to avert external threats.**

Eurogate GmbH & Co. KGaA, KG, along with Contship Italia S.p.A., is Europe's leading container-terminal logistics group. The company was required to modify the setup of their sites in Hamburg and Bremerhaven to comply with the requirements of the ISPS Code. Among many safety regulations of this code, complete camera monitoring of all unguarded entries to port facilities used by staff, trucks, and trains is a mandatory element. To ensure maximum surveillance of the premises, more than one hundred cameras were required for both sites. Because of the considerable size of the area to be monitored, Eurogate needed a flexible state-of-the-art system providing easy scalability and cost-efficiency in terms of cabling. At the same time, the existing network infrastructure was to be retained, and the analog video monitoring system already in place had to be integrated with the new system.

Both Eurogate sites feature two separate, redundant data centers to ensure high availability of their IT system. All components are completely self-sustaining and are meshed through a Gigabit backbone network. Cabling consists of twisted-pair and FC lines that are integrated via standard IT switching technology. Additional telecommunication lines are routed through xDSL connections. In order to be meet the installation deadline of July 1, 2004, for the complete system, the planners needed to account for the complexity of this data structure.

### The solution

**Eurogate ultimately decided to implement a state-of-the-art network-based video surveillance system by the German manufacturer SeeTec Communications GmbH & Co. KG. The existing analog system in Bremerhaven used for monitoring premises for automobile storage was thrown overboard for reasons of economic efficiency. Media converters would have been needed to transform analog camera signals into digital data streams for their subsequent transmission via FC cables. The purchasing costs for all the required media converters, however, would have exceeded the budget, and comparisons with other digital systems revealed that the SeeTec solution**

EUROGATE

### Project facts

Eurogate GmbH & Co. KGaA, KG

**Object:** Container-terminals Hamburg and Bremerhaven

**Cameras:** 126

**Requirements:**

- System-integration of existing PTZ-cameras
- Making use of the already existing IT-infrastructure
- Solution is a save investment

SeeTec
network-based video surveillance

Success-Story

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**promised to deliver the required results with regard to costs and required functionality.**

Interflex Datensysteme, a subsidiary of the Ingersoll-Rand Group, acted as prime contractor in this project while SeeTec took care of the entire project management. Deployment of the SeeTec 5 software and the installation of network cameras were conducted on-site by Elektro Fritsche and Eurogate Technical Services. 36 and 44 Mobotix network cameras were installed in Hamburg and Bremerhaven, respectively. Some cameras are located up to 3.5km away from the server. What is more, 24 controllable analog cameras that had already been installed in Bremerhaven could be integrated using 11 Axis video servers.

## Products used

Eurogate GmbH & Co. KGaA, KG

- 2 licences of SeeTec software and 18 SeeTec software clients
- 80 MOBOTIX network-cameras
- 11 AXIS video server
- Numerous CCTV- and dome-cameras from different manufacturers

Existing analogue cameras were integrated through the usage of AXIS video server.

## The results

**The entire project – from determining the locations of the cameras via installation and configuration up to the final deployment of the system – took eight weeks and was completed on schedule both in Bremerhaven and Hamburg.**

The new surveillance system is ideally integrated with the existing IT environment without the need to install proprietary hardware. In the event of a server breakdown, all clients automatically connect to the backup server, ensuring an extraordinary level of system availability. Since the terminals in Hamburg and Bremerhaven are interconnected, all data can be retrieved at both locations.

*The new video surveillance saves substantial personnel costs.*

Integration of the existing analog system in Bremerhaven with the new overall system was achieved without difficulty. No component replacements or complex adjustments of the previous system were necessary. Consequently, Eurogate was able to protect its investment in the previous system. Furthermore, the new video surveillance saves substantial personnel costs since the only alternative to cameras would have been the hiring of new guards to secure all entries.

## The customer

***"Our requirements with regard to high availability, reliability and flexibility were perfectly met by the network-based SeeTec system. We were able to use our entire network as a basis for our data which greatly reduced the costing factor of cabling for our existing analog cameras. Furthermore, the interconnection of the Hamburg and Bremerhaven sites was only possible with a digital network,"* says Jens Flemming, Project Manager at Eurogate IT Services GmbH, about the new video monitoring system.**

*„Our requirements with regard to high availability, reliability and flexibility were perfectly met by the network-based SeeTec system"*

Flemming is also very content with the organization of the project: the planning of the surveillance system and the subsequent installation went on schedule which in turn ensured Eurogate's timely compliance with the ISPS regulations. It is certain already that further sites will be equipped with SeeTec's security systems.

**Network surveillance cameras at entrance areas**


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