

# Boulogne Calais Port migrates its security system to IP for greater effectiveness.

An open, custom system that evolves.



## Organization:

Boulogne Calais Port

## Location:

Calais, France

## Industry segment:

Transportation

## Application:

Port security

## Axis partners:

Eryma, Genetec, Acic

## Mission

With more than 10 million passengers and 43 million tons of merchandise coming through each year, the Boulogne Calais Port is France's number one passenger port and number four for freight. To ensure the safety of passengers, ship's pilots and freight, the company Société d'Exploitation des Ports du Détroit (SEPD), which runs the Boulogne Calais Port, wanted to improve the performance of its analog surveillance system to prevent attempted break-ins and keep operations running smoothly.

## Solution

Eryma, experts in custom integration solutions for security systems, were hired by SEPD in 2015 to set up a new state-of-the-art security system that was compatible with the previous installations — supply, configuration and commissioning.

An Axis Partner and an Elite Partner of Genetec Inc., Eryma designed and installed a hybrid system in six months. It includes an Omnicast surveillance system from Genetec, 120 Axis network cameras and encoders, of which 20 are thermal cameras connected to the Activity Detection application from Acic for perimeter protection. In parallel with the video surveillance system, access protection and control devices (40 controllers and 160 readers installed by Eryma) have allowed the Boulogne Calais Port to provide security for the users and operators of the port at the Calais facilities.

## Result

The security system fully meets the operator's technical and operational requirements. The image quality, integration into the supervisor with no time delay, ease of use and automatic alarm relay are a real help to the operators. The functionality lets them anticipate dangerous situations faster and prioritize interventions by the patrols.

**“Our new security system is very reliable. It eliminates uncertainty for our officers and allows them to react better to keep operations going for our customers.”**

**Jean-Michel Roussel, head of security, Boulogne Calais Port.**

The port of Calais covers 500 hectares (of which 100 hectares is water) and offers a complex dynamic. It is Europe's number-two port for passengers and the continent's number-one roll-on/roll-off port. Every year, more than 10 million passengers and 43 million tons of merchandise move through it.

For the Société d'Exploitation des Ports du Détroit, which is responsible for the port's security, the main challenge is to implement measures for protection and flow that comply with the International Ship and Port Facility Security Code (ISPS) and the treaty of Touquet. It therefore works closely with the French national police, the customs service and the United Kingdom Border Force (UKBF). Day and night, 230 people provide high-level services ensuring that passengers, ship's pilots and freight move through safely.

In 2015, after several months of operational studies and testing under real conditions, a call for tenders was launched for optimizing the port's analog surveillance system. The intention was to improve coverage of zones under surveillance, image quality, decision-making (by relaying intrusion detection alerts in sensitive zones), information use and installation maintenance.

Eryma won over the Boulogne Calais Port's various stakeholders with an evolutionary IP system that integrates various manufacturers and software publishers. This provides the port of Calais with the Omnicast video protection system for the Genetec Security Center platform over IP.

The existing, adequate-quality analog cameras were connected to the network by 50 Axis encoders to reduce acquisition costs.

Fifty high-definition cameras were installed to provide an excellent level of detail. They included AXIS P1428 Network Cameras with 4K resolution, along with AXIS Q6045-E MKII and AXIS Q6000 Network Cameras for 360° HDTV vision.

Fifty AXIS Q19 Thermal Network Cameras, coupled with Acic Activity Detection, were added to the equipment to create virtual barriers that detect any crossing and relay automatic alerts. The 120 products are all integrated into the Genetec Omnicast platform, which provides all the video feeds on a 3 m by 2 m monitor wall configured with Genetec Remote Security Desk.

In its six-month deployment, Eryma has met the port management's technical and functional requirements. The system is easy to use, and the high image quality and the various components' good integration offer refined situation analysis. This allows officers to prioritize their calls when more than one incident occurs at the same time. Acic's virtual barriers reduce maintenance costs compared to the physical barriers that would otherwise be there. And because the system is open, it evolves and can be easily changed or expanded in the future.

#### **ERYMA - [www.eryma.com](http://www.eryma.com)**

A security systems integrator, Eryma offers integrated solutions incorporating multiple technologies (access control, APSAD R81 certified intrusion detection, APSAD R82 certified video surveillance, perimeter detection products, remote management), thus ensuring a complete offering adapted to its customers' needs and requirement levels.

#### **GENETEC - [www.genetec.com](http://www.genetec.com)**

Genetec Inc. produces open source software, hardware and cloud services for the security and public safety industry. The company serves business and government in more than 80 countries through a strong network of resellers, integrators and consultants.

#### **ACIC - [www.acic-tech.be](http://www.acic-tech.be)**

Acic designs and develops video analysis software that helps operators by automating video surveillance through functions such as presence detection and tracking (of people, vehicles, boats, etc.), event detection, pass counting, recognition of abnormal or threatening behavior, and more.

