

Eurotunnel

Panorama at the heart of site safety/security



For over a decade now, the international context has been fraught, generating a growing demand for the control of migratory movements. 2015 was a particularly challenging time for Eurotunnel with the presence of more than 10,000 migrants in the vicinity of Calais. To cope with the very large number of intrusions, the company built a new Security Control Centre in just a few months. An access control and site surveillance solution was deployed, incorporating a security Hypervision application based on the Panorama platform and offering 360° visibility of the installation. Intrusions are now geolocated and managed in real time, making it possible to secure the entire site, which covers more than 650 hectares.



Objective: the security of the site

The aim of the Security Control Centre is to manage and limit intrusion attempts from the French side. 2015 saw a peak of 80,000 migrants recorded during that single year. From a commercial operation point of view, even a single intrusion can have a significant impact on passenger and freight transport. In order to secure the site effectively, the Security Control Centre needed to be supported by a **unifying** data platform, so that the system can be capable of delivering an overview of the situation in real time at any given moment. The Panorama platform was chosen for its **scalability**, **interoperability** and **functional coverage**.

« Panorama is a reliable system that makes life easier for the operators. It is easy to get to grips with the system and to use it. Alarms are quickly located, » explains Didier Picquart, FR Safety and Control Manager at Eurotunnel.





Safety and security Hypervision

In the space of barely six months, an operational **geolocation tool** offering **360° visibility** was put at the disposal of the Security Control Centre personnel. A **giant 20m2 screen wall** provides the operators - working across 4 zones - with all the security information they need to monitor the entire site 24/7.

It works in the same way as a geolocation system, **contextualising** and **displaying** alarms and the different points of intrusion.



Optimal security site



Non-stop traffic

Today, the site's operator considers that the **safety-security issue** is under control. The technical and IT investments for operations, of which Panorama is a part, have largely contributed to making this strategic border more secure.

This access control project has substantially achieved its objectives, reducing attempted intrusions by **80% in less than 5 years**.

« Panorama was among the key return-on-investment factors for the project, in the same way as the perimeter fencing and the patrolmen », adds Didier Picquart.

Codra and Eurotunnel, a long-term partnership

Eurotunnel, a bi-national company, has since been able to establish uninterrupted traffic between France and the UK. The border is more secure at the France terminal.

With such a critical application, **cybersecurity** is also very important. To address this, the teams have put in place defence-in-depth mechanisms to secure the entire site as well as the computer network itself. The Panorama platform and its cybersecurity mechanisms form one of the links in this security chain. Pleased with the Panorama solution and confident in its **potential to evolve**, the company now plans to use the SCADA software for its fire detection system revamp project. As a consequence, Eurotunnel and Codra will continue to work together on new safety/security projects destined to benefit both people and infrastructures.

« Codra continues to be a company with a human scale, so the customer can put faces to names. Also, they're a software manufacturer with considerable technical expertise, capable of managing very unique requirements such as ours » says Emmanuel Crespel, Real Time Systems Specialist Engineer at Eurotunnel.