

Perimeter security solution for shipyards

SHIPPING PORT | Use case

An exceptional integration with Genetec

))) The requirement

A large shipbuilding company located in Italy's Northeast required a perimeter security solution to protect the **land side** of the shipyard.

A 2.5 km (1.5 mi) fence was installed atop a wall with a 30° inward incline. The intrusion detection system (connected to the Local Area Network) was needed for 1.5 kms (0.9 mi) of the perimeter fence to provide instantaneous and constant response to alarms. The PIDS (Perimeter Intrusion Detection System) required integration with Genetec's PSIM at the software/TCPIP level. CIAS's SIOUX PRO fence-mounted technology was selected.

Although Standard CCTV cameras were deployed for surveillance at the site, further protection was needed.

))) The challenge

Located close to the sea, the solution needed to be highly reliable, without delays and robust enough to operate in environmental conditions such as strong winds, rain, extreme humidity, and salt corrosion. Stable connectivity to the LAN was of paramount importance. Intrusion alarms needed to be captured instantaneously for timely responses.

))) The CIAS solution

CIAS's SIOUXPRO2 fence-mounted intrusion detection system met all of the shipyard's requirements. The Integrator chose Italy-based CIAS because of the company's vast experience in these types of installations and because CIAS was the first to use MEMS* (Micro Electro-Mechanical System) technology.

Security personnel now access timely intrusion reports along the entire land side perimeter, working in conjunction with specific cameras, all of which are displayed on a graphic map.

))) A satisfied customer

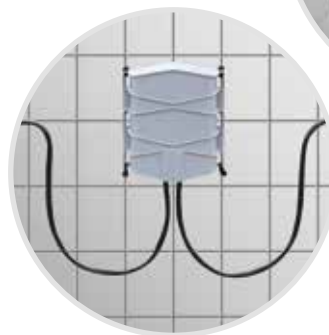
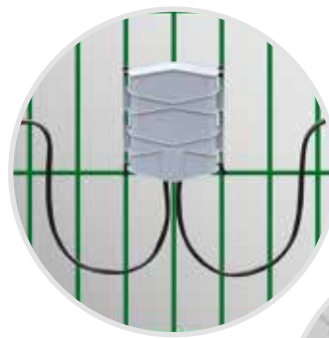
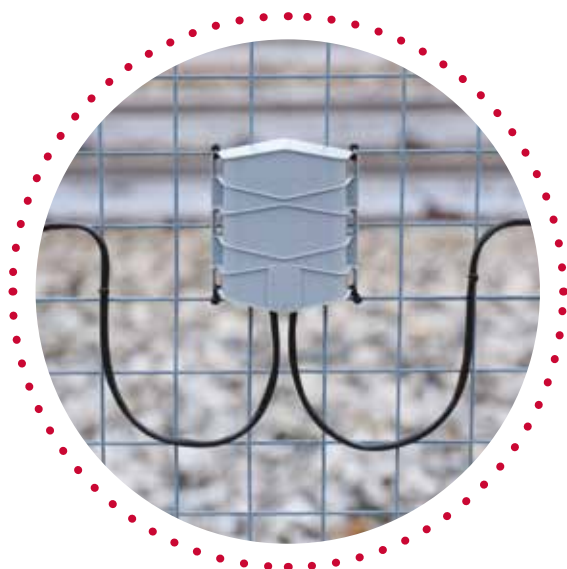
Showing their satisfaction with the CIAS-GENETEC Solution, the customer is now considering CIAS's SIOUXPRO2 for additional shipyards in Italy.

"The CIAS SIOUXPRO fence-mounted solution fully meets the expectations of the Security Managers onsite," said the Integrator. "The proof is in the results – we have performance reports that show the lowest False Alarm Rate we ever experienced."

Thanks to the exceptional integrator training provided by CIAS, installation at the site went very smoothly.

))) About Sioux Pro2

CIAS's SIOUX PRO fence-mounted system operates on MEMS technology which measures the physical aspects of an intrusion event with respect to pressure, acceleration, temperature and magnetic fields. It detects climbing, cutting and lifting of the fence for up to 4600ft (1400m) per control unit and can be installed on any fence fabric.



QUICK FACTS

- ✓ Major Italian Shipyard required a land side 0.9 mi (1.5 km) fence-mounted perimeter security solution on top of a wall.
- ✓ Solution required integration to GENETEC PSIM at software/TCPIP level.
- ✓ Customer required instantaneous, false alarm-free performance in extreme environmental conditions.
- ✓ CIAS's SIOUX PRO fence-mounted technology was the chosen solution featuring MEMS technology.
- ✓ Shipyard is considering deployment of this technology to additional shipyards in the country.

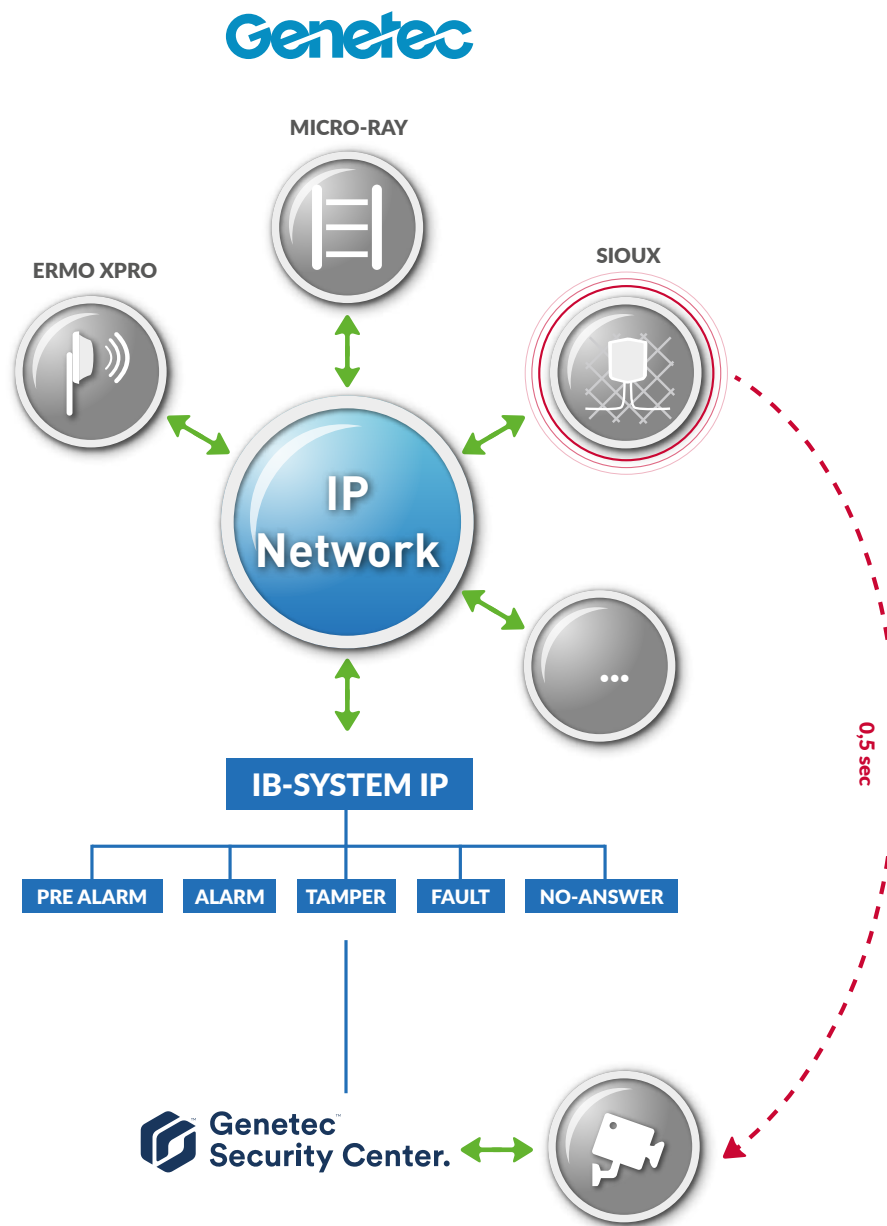
))) About Genetec PSIM

Genetec's Security Center software unifies all data on the perimeter seamlessly into one interface. Built from the ground up, this security monitoring ecosystem assists first responders at critical sites capture and manage threats.

The integration of the CIAS protocol takes place through the IB-collection and polling system System IP which, communicating with the field external where the sensors are present, is capable to transfer all pre-alarm, alarm, failure, tampering and non-response in Genetec platform.

))) Integration

Nowadays the most difficult challenge for video surveillance systems, with or without video analysis, Day & Night or thermal, is to guarantee their operation even in extreme climatic conditions such as: sudden variations in light, rain, fog, humid areas, variations of temperature. The objective is to achieve a high probability of detection by reducing the number of false alarms generated. Hence the need to create integrations between the CIAS products and Genetec platforms capable of optimizing the level of security provided.



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