

More secure and better monitored production with Axis. Video surveillance at SO.F.TER. manufacturing plants with Axis network cameras.



Organization:
SO.F.TER. SPA

Location:
Forli, Italy

Industry segment:
Industrial

Application:
Implementation of
security measures in a
manufacturing plant

Axis partner:
Gencom S.r.l.

Mission

SO.F.TER., one of the major European polymer alloy manufacturers headquartered in Forli, Italy, needed to ensure video surveillance of a large outside area used as a manufacturing plant in order to provide adequate protection to its employees and products. Due to the large size of the area and the absence of any other security devices, an integrated, flexible and extremely secure system needed to be developed.

Solution

Gencom, a system integrator and Axis partner specialized in providing high technology for the development of communications systems, created a video surveillance system meeting SO.F.TER.'s requirements, based on a total of 43 AXIS 221 Day & Night Network Cameras.

Result

Thanks to the Axis video surveillance system, SO.F.TER. is now able to fully meet its own security requirements. Security personnel monitor the area 24 hours a day and the recorded images are available immediately if needed.

"Thanks to the video surveillance system, we feel much safer. The area to be monitored is quite large, and having cameras that can keep it under surveillance 24 hours a day is of fundamental importance to us. In the future, we are considering also equipping the indoor environments of the plant with a remotely-controlled surveillance system, so that we can further enhance control and security of the entire plant."

Chiara Carfagnini, SO.F.TER. Purchasing Office.

An installation outdoors

In order to fulfill its security requirements, SO.F.TER., a company at the forefront of polymer alloy manufacturing, contacted Gencom, a system integrator specialized in providing full service personalized computer systems dedicated to companies. For the implementation of the video surveillance system, Gencom chose to rely on the quality of Axis network cameras, based on IP technology.

A total of 43 AXIS 221 Day & Night Network Cameras were installed to monitor the entire perimeter of the area used as a manufacturing plant as well as the main passageways, so that access by unauthorized persons could be prevented. The cameras were all equipped with tamper-proof housings, recommended for video surveillance applications installed in areas exposed to the risk of acts of vandalism. "Our company produces highly flammable material, and it is of fundamental importance that we guarantee that no unauthorized persons can access the inside of the product stocking areas" stated Chiara Carfagnini, SO.F.TER. Purchasing Officer. "The plant is located in a fairly isolated area, so it is potentially subject to theft and vandalism. This is why installing a video surveillance system seemed like an ideal solution for preventing potential instances of tampering and damage."

Gencom chose the AXIS 221, a high-performance network camera recommended for continuous video surveillance running on IP networks. AXIS 221 features an automatic infrared filter that allows the camera to reproduce color images in good lighting conditions, and black and white images at night. The camera provides high-quality images in all lighting conditions and was therefore the natural choice for monitoring the external perimeter area of the plant.

Power supply via network cable (Power over Ethernet) proved to be strategic, since it eliminated the need for electric cables and provided significant savings both in terms of time and investment; another benefit from this technology, which was taken into consideration, was the fact that the cameras would continue to receive power thanks to the electrical backup guaranteed by the UPS in the event of a blackout.

The placement of the cameras was studied carefully in order to ensure efficient monitoring of the entire area. The size of the area required so-called "trap-type" positioning, capable of guaranteeing surveillance of the mandatory passageways (gates, plant entrance, doors located between one building and another, etc.). A complete and efficient monitoring solution was thus obtained using a reduced number of cameras.

The management of the recorded images takes place on the server and the security personnel is able to monitor the entire area thanks to a video management software application that can simultaneously show the images recorded by all the cameras.

"To realize a cutting-edge video surveillance system that would meet our customer's security needs, we decided to rely on product quality and experience of Axis. Our customer's satisfaction proves that we made the right choice," states Luca Lorenzi, Gencom Sales Accounts.



SO.F.TER.

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