Optimized surveillance in state-of-the-art glass processing plant.
Axis network cameras monitor safety and security of new manufacturing facility.

Organization:
CE Glass Industries

Location:
Szatymaz, Hungary

Industry segment:
Industrial

Application:
Safety and security

Axis partner:
BGL-NET Kft., Netavis

Mission

The growth of the Szilánk Group is a Hungarian business success story. The company, which has 20 years of history, built one of the most modern glass processing plants in East Central Europe near the town of Szeged, in Szatymaz. The project also received EU funding. Parallel to this, the company also changed its name in line with their international expansion strategy and became CE Glass in April 2012. The security and safety of the new facility, as well as the surveillance of the modern production lines and processes were a key issue for the management, so a decision was made to install an up-to-date video surveillance system.

Solution

The solution was developed by the Axis partner BGL-NET Kft, long-time security systems supplier of CE Glass, taking into account the characteristics of the location, the security risks and the special needs of the client related to the surveillance of health and safety and technological processes.

Accordingly, various fixed Axis network cameras were selected, based on what model and resolution were needed to meet the requirements in the particular areas. Therefore, a variety of cameras with SVGA, 720p, and 1080p HDTV resolution are used in the system. At critical places, for example, the surveillance of technological processes, as well as dispatch and delivery points, cameras with a larger resolution were installed. A fiber optic ring connects the cameras into a network across the system, in which two Netavis network recorders provide continuous 24/7 recording with efficient H.264 compression and 20TB storage capacity. Two permanent surveillance stations were established and the images of the cameras can be viewed at two additional places.

Result

The sizeable new facility of CE Glass is located in a remote, non-residential area. Protecting the valuable technologies, raw materials and finished products stored here requires considerable human resources.

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"We looked for the best network video solution for our newly built modern manufacturing plant with respect to both safety and security. Axis cameras help us to operate in a safe and secure environment."

Ottó Garai, IT and Facility Director.

The outdoor security based on Axis cameras, the surveillance of traffic routes, and the role that cameras installed in the manufacturing facility play in health and safety and technological compliance all contribute to the provision of effective support for the security staff and the company's management. In addition, the system optimizes the number of manned security staff and as a result, security costs.

All in all, the system using state-of-the-art technology, which is open to upgrades and adding new functions, makes a valuable contribution to the security and safety of the site.

Numbers
The system developed for CE Glass in numbers:
> 7 AXIS M3204 fixed indoor mini dome cameras
> 22 AXIS P1343 fixed indoor cameras
> 31 AXIS P1343-E fixed outdoor cameras
> 6 AXIS P1344 fixed indoor cameras
> 2 AXIS P1346-E fixed outdoor cameras
> 2 Netavis video management servers
> 2 surveillance stations

Benefits of the system
The security surveillance system effectively supports the security operation of the large site and thereby contributes to optimizing security costs. It plays a key role in the surveillance of sensitive technological processes. Large pieces of machinery are used in the plant, and raw materials and finished products also have a large size, which makes the entire work process unsafe. The surveillance system with a high resolution plays a key role in preventing health and safety accidents.

The system is very flexible and can easily be upgraded in the future. The intelligence and image processing performance built into the cameras allowed the reduction of storage capacity for the recording.

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