Beijing Hyundai Motor Company realizes centralized management of production with Axis network cameras.

New IP-based system helps Beijing Hyundai Motor unify security, safety, fire prevention and monitoring systems.

Organization:
Beijing Hyundai Motor Company

Location:
Beijing, China

Industry segment:
Industrial

Application:
Enterprise production management and surveillance

Axis partner:
Beijing VideoComm Electronic Inc., Ltd.

Mission

Beijing Hyundai Motor Company is located in Shunyi District, Beijing, China. Its operation covers design, development, manufacturing and sales of cars, RVs, trucks, engines and parts; after-sales services for products produced and sold by the joint venture; and other related business. With thousands of employees and a factory are of 115 km^2, such a large enterprise needs a full-scale safety and security and production monitoring system.

The Beijing Hyundai second production factory is the largest modern motor manufacturing base in Beijing. After it went live, the initial system deployed for production monitoring, security, safety, and fire prevention had not been able to achieve unified management. Beijing Hyundai Motor Company faced clear challenges with an analog approach when it decided to integrate its security and safety system together with the fire prevention and production monitoring systems. To avoid complex cabling construction and associated costs, and

ensure the image quality would not deteriorate over time, as with analog solutions, the company opted for network video technology.

Solution

Beijing Hyundai Motor Company deployed an IP-based solution that took full advantage of the existing LAN infrastructure available in the factory area. 20 AXIS 213 PTZ Network Cameras were initially installed, connecting directly to the network. Smoke detectors and infrared alarm sensors were also connected to the cameras' inputs and outputs. Hyundai's surveillance center uses the "Watcher" network video surveillance software from Beijing VideoComm Electronic Technology, Inc.

The "Watcher" platform is a modular video management platform, which offers centralized management of all cameras' video signals, control signals and alarm signals. It comprises several modules, which include an e-map module, a real-time surveillance module, a media service

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"The system consisting of Axis network cameras and 'Watcher' network surveillance software significantly simplified system installation and maintenance. It helped us completely realize unified management of production, security and safety, as well as fire prevention processes in the factory area."

Li Zhaohui, Project Sales Manager, Beijing VideoComm Electronic Inc..

module, a device test module, and an alarm association module. Different settings can be customized for each module based on users' management requirements.

Result

Thanks to Axis network cameras, combined with with VideoComm Electronic's "Watcher" software, security and monitoring systems are fully integrated. The Axis network video solution significantly simplified system installation and lowered cabling construction costs by more than 70%. Leveled e-maps of "Watcher" network surveillance software can directly demonstrate detailed positions of the cameras, making the entire surveillance system intuitive, further simplifying remote centralized management.

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