CASE STUDY

Axis helps build intelligent management system for Wuhan Tobacco Factory.

**Mission**
Wuhan Tobacco Factory is China’s oldest tobacco company, established in 1916. It is now over 90 years old, and is currently the core business of Hubei Tobacco Industry. The video surveillance system for Wuhan Tobacco Factory utilizes advanced and mature technology and equipment to meet future development needs. Through intelligent systems application integration, it achieved the management, collection, analysis, processing, alarm link-up control, and resource sharing of information, to ensure that project planning was realized. However, there was a need for a further upgrade of the existing video surveillance system.

The client requested additional surveillance points at key areas of the factory, and a transformation of the existing analog system into a completely integrated IP system. The security center had to have the ability to view, investigate, inspect and control all security videos. Management was also required to be able to access and manage the company’s LAN, and allow access through WAN.

**Solution**
Axis Communications suggested a solution for this project after an in-depth analysis of the customer’s needs and market development. Different cameras are used in different environments and locations, while the original analog cameras are connected to the IP system with video encoders, thus forming a complete IP video management system.

For factory workshop areas with high temperature and humidity, AXIS P5534-E Network Cameras were deployed. Utilizing the built-in video motion detection of AXIS P5534-E, multiple cameras can clearly record the entire production process. It can reliably continue to operate in an indoor environment that is damp and full of dust. AXIS P1344 Network Cameras are deployed for the entrances and corridors. These cameras can clearly identify faces, and provide excellent record and management of the coming and going of personnel.

**Organization:**
Wuhan Tobacco Factory

**Location:**
Wuhan, China

**Industry segment:**
Industrial/Manufacturing

**Application:**
Video surveillance, integrated management

**Axis partner:**
Wuhan Hengda Automation Engineering Co., Ltd.
AXIS Q7406 Video Encoders were utilized to convert analog signals from the existing system into digital signals to be connected into the new surveillance system. The front end of the system employs a combination of network cameras and analog cameras. Through the use of LAN switches and different VLAN divisions, a networked surveillance system has been achieved to allow the management to control the surveillance points through the network from anywhere, by using different authorizations, in order to keep an eye on production and security.

**Result**

After the system was completed, the image quality of the Wuhan Tobacco Factory has become clearer, brighter, and richer. In combination with powerful application softwares, image retrieval has become faster and easier, and the original analog surveillance cameras are also integrated into the existing network. The different management levels no longer have to go to the workshop or the surveillance center to investigate the situation in key areas; instead, they now have the possibility for remote viewing from their offices or the conference room. This greatly improved supervision and work efficiency, and provided real-time protection for production safety.

"Axis products have provided us with better image quality, a relatively stable product and system performance, and supplied our security management with the best protection. We will consider a long-term cooperation with suppliers of products like this."

Wuhan Tobacco Factory official.