

Axis helps Xinhui Shuangshui Power Plant easily implement digital video management and production scheduling.



Organization:
Xin Shuang Hui Power
Plant Co., Ltd.

Location:
XinHui of GuangDong
Province, China

Industry segment:
Industrial

Application:
Power plant scheduling
and management

Axis partner:
Shenzhen Jiana
Communications Co., Ltd.

Mission

Founded at the end of 1992, Xinhui Shuangshui Power Plant Co., Ltd. is a joint-ventured coal-fired power plant with an installed base of 400,000 KW, including four 25,000 KW generating sets brought into production at an early stage and two 150,000 KW circulating fluidized bed (CFB) green generating sets brought into production in 2004. The total investment hits RMB 1.5 billion with an annual production value of over RMB 1 billion.

The company was looking to integrate its existing analog system with the industrial control and automation systems, to take production management and scheduling to a new level by providing unified, enhanced supervising and scheduling via the network.

Solution

Xinhui Shuangshui Power Plant decided to implement a fully integrated management system for the whole plant and the office building, by migrating its existing analog system to network video. For that purpose, 150

Axis video encoders were installed, comprising 100 AXIS 2401, 30 AXIS 241Q and 20 AXIS 241S Video Encoders. A separate control room was established in the office building for central management and decision-making. The whole system, which enabled the company to protect existing analog investments, was developed with the help of Jiana Communications, an Axis partner.

By packaging collected video signals with data signals, the video encoders made it possible to create a purpose-built platform for monitoring and scheduling management. System management and video storage are performed using the EVIP digital video management platform from Jiana Communications. Since the development of the EVIP software platform is based on a distributed architecture, the software and management functions are consolidated seamlessly, providing unified management and scheduling for the plant.

"Since its introduction to Xinhui Power Plant, the EVIP digital video management platform provided by Jiana Communications, combined with the Axis network video solution, has been playing a critical role in the security management and production scheduling management of the whole plant."

Mr. Zhong Yong Kang, Technical Director.

Result

By converting analog video signals into digital signals using Axis video encoders, Xinhui Shuangshui Power Plant can now ensure unified management and scheduling for the plant's monitoring and management system. The data, which could previously only be viewed in the form of figures, can now be shown as real-time images, thus making the production scheduling management more intuitive and easy to visualize.

With a standard web browser, authorized users can view real-time video and access data flows from any connected computers, anywhere, any time. Based on professional software analysis, managers can schedule the production planning of the plant in a more effective way.

