

Axis network cameras provide video security at FrieslandCampina dairy plant.

Surveillance system ensures manufacturing process monitoring and significantly improved efficiency.



Organization:
FrieslandCampina

Location:
Stupino, Russia

Industry segment:
Industrial

Application:
Process monitoring, safety and security

Axis partner:
Videoglaz Trading Company

Mission

Since its opening in 2000, FrieslandCampina, the plant of Dutch dairy company located in Stupino (Moscow region) has been specializing in manufacturing Fruttis yoghurt as well as other yoghurt products and drinks, ultra-high-temperature milk and portioned cream. Apart from product lines, there is a finished products warehouse, FrieslandCampina Russian distribution center, within the area of the plant. To improve the monitoring of manufacturing process and workplace discipline, the plant administration made a decision to upgrade the analog video surveillance and create a video surveillance system based on Axis IP cameras and software.

Solution

Videoglaz Trading Company, an Axis partner, developed the video surveillance modernization project implemented at FrieslandCampina plant. Based on their experience, the integrator's specialists recommended Axis equipment, which provides high image quality, reliability and top range video analytics capabilities.

As a result, about 100 Axis network cameras were chosen for installation within the manufacturing workshops area: fixed cameras AXIS M10, AXIS M11, AXIS M2014-E, AXIS P13, AXIS P14, and fixed dome cameras AXIS M30, AXIS P32, AXIS P33.

Result

The installation of Axis cameras resolved a problem with video quality at the plant and has significantly improved the enterprise security service efficiency, which results in loss reduction. The video system ensures manufacturing process real-time monitoring, as well as incidents analysis in archive mode.

“Video surveillance system modernization and extension at the FrieslandCampina plant is implemented on an on-going basis. Nowadays, timely acquisition of information and high-quality images from our Axis network cameras enable our supervisory services to get oriented in any situation and be quick in their decisions.”

Oleg Bachurin, Security Manager of FrieslandCampina in Russia.

Implementation special aspects

The objectives of the plant video surveillance system included the 24-hour video recording within its territory and facilities, manufacturing processes monitoring, and, consequently, workplace discipline improvement (for example, employees' clock-in entry monitoring). High-resolution cameras help the plant field services to be well-informed of all events, promptly respond to incidents and effectively analyze as needed in video repository. As a result, according to the statistics, production efficiency and loss reduction has been achieved.

The FrieslandCampina plant surveillance modernization project stipulated the basic condition: inclusion of network cameras into the existing analog video surveillance system and creation of an integrated platform. Axis products assure that this condition is satisfied with the help of video encoders enabling connection with any analog cameras. Thanks to video encoders, FrieslandCampina didn't have to give up their legacy analog cameras, which required solid investments back in the day, but has created a uniform network video surveillance system covering all production facilities and territory of the plant. Analog equipment can be easily replaced by IP products at any time thereafter.

Camera's functionality

Network camera's capabilities enable adjustment of video recording for a particular task. P-Iris automatic control technique developed by Axis in cooperation with Kowa Company, a Japanese company, improves image quality and enables focus and sharpness remote tuning. This technique provides an adequate focusing depth leaving the objects, which are unequally distant from the camera, in focus. Such functionality is especially appropriate for premises containing a large number of equipment and large areas.

“Axis cameras are positive-acting in integration with the VideoNet digital video surveillance system used at the plant”, notes Andrei Vasilyev, Business Development Director of Videoglaz.

Future development

“Video surveillance system modernization and extension at the FrieslandCampina plant is implemented on an on-going basis. Nowadays, timely acquisition of information and high-quality images from our Axis network cameras enable our supervisory services to get oriented in any situation and be quick in their decisions.” Oleg Bachurin, Security Manager of FrieslandCampina in Russia.

Extended application of the camera's intelligent functionalities and the AXIS Camera Application Platform's analytical capabilities supporting any kind of software may be considered a prospective line of development of FrieslandCampina's video surveillance system, including, for example, application of face and license plate recognition functionalities.

