

Sweets under Axis surveillance.

Cadbury Wedel installs extensive video monitoring system based on Axis network cameras.



Organization:
Cadbury Wedel

Location:
Skarbimierz, Bielany
Wrocławskie, Warsaw,
Poland

Industry segment:
Manufacturing

Application:
Safety and security

Axis partners:
Mirare, Milestone
Systems

Mission

Dynamic growth and expansion of the Cadbury Wedel plant in Poland encouraged the company to invest in a modern video monitoring system for its plants. In 2008, Cadbury Wedel started the construction of a chocolate plant in Skarbimierz. It also expanded the plant in Bielany Wrocławskie. At the same time, the company thoroughly modernized its historic plant in Warsaw. The advanced video monitoring system has become one of the key business tools to ensure manufacturing safety and highest work comfort.

Solution

Mirare, an Axis Partner, was asked to conduct an extensive analysis of the situation in order to implement the most effective monitoring solution. Mirare identified key areas where the integrated monitoring system would eliminate the existing or potential threats, but also streamline operations. "We took into account the suggested functionality of cameras and their locations, image quality requirements, the use of the most effective software."

"Based on the above considerations, we decided to recommend our customer to implement a tried and tested system based on Axis network cameras and Milestone XProtect® software. Our experiences indicate that this combination of products provided by these two companies ensures the best functionality and return on a monitoring system," says Waldemar Szylar, President of Mirare.

Result

Installation of a scalable and flexible video IP system at Cadbury Wedel in Warsaw, integrated with other security and building management systems, helped effectively improve work conditions. The system also enabled remote viewing of the supervised area via mobile devices using the Internet and secure VPN connection. The installation now enables a prompt response and an effective prevention. Employees responsible for monitoring praise the new installation. They especially appreciate its ease of use and powerful intelligent video features. Similar opinions were also expressed by the trade unions' representatives.

"In the FMCG (Fast Moving Consumer Goods) industry, an effective video monitoring system is essential to ensure security and to meet very strict standards. For monitoring to be effective, first of all, it has to be aligned to the needs of a company and its employees, cost-effective, reliable in any conditions, but also discreet and matching interior design. Our requirements were met by an IP monitoring system using Axis network cameras."

Michał Labocha, Chief Security Officer, Cadbury Wedel Poland.

From analog to advanced IP

Two of the older Cadbury Wedel plants in Warsaw and Bielany Wrocławskie, occupying an area of more than 1,000 square meters, had a video monitoring system consisting of several dozen analog cameras. The cameras were mainly used for monitoring the entrances to the plants and for the areas in front of the warehouses.

Mirare recommended combining the existing analog cameras with the more functional Axis network cameras. The installation required both inside and outside surveillance of the two plants and the office building. Such a deployment required the most efficient equipment which would provide images detailed enough to identify people and incidents in any lighting or difficult atmospheric conditions.

One of the challenges for the system was to insure the security of raw materials and finished products in the production area, as well as items left by employees in locker rooms or offices. The advanced monitoring system was designed with the purpose of identifying and reacting to various incidents which might affect the continuity of operations. The advanced video surveillance system also needed to enable remote viewing and independent, secured personal password, access to preview images for the persons directly responsible for the security and to key managers of the technical and logistics departments. Ultimately, the system also had to enable central management a visual monitoring of all the plants in Poland.

A tailored system

Early in 2009, a thorough modernization of the video monitoring system in Warsaw was started. Ultimately, the analog system was replaced mostly by the video IP system and a dedicated network. Cameras were selected on a case-by-case basis in order to match their specification to the requirements of monitoring a specific area.

PTZ cameras capable of powerful zoom (35x) and multi-view were used as complementary equipment, supporting the fixed cameras. In small rooms, where the monitored objects are only a few meters away from the camera, simple Axis network cameras offering 4CIF resolution were used.

At the entrance to the plant, front desk and other important areas, where it is necessary to obtain top quality images, megapixel cameras were selected. Cameras monitoring the area around the plant must provide high image quality, ensuring that registration plates of vehicles can be validated even at great distances.

The entire system is managed by Milestone Xprotect software and consists of 70 cameras.

In addition, the intuitive and clear interface of the application managing the IP-Surveillance system allows very rapid control of system operations by operators and helps them to give appropriate responses to situations.

Unquestioned advantage of digital systems over analog ones

The analog monitoring system used by Cadbury Wedel in Warsaw in the past performed satisfactorily only in well-lit places, had few features to detect undesired events and was prone to defects. Analog imaging also prevented intelligent image analysis which made it very difficult and time-consuming to search for recordings in the archive. The system was purely reactive – it helped to document and explain events, but it provided no means of proactively preventing them. Furthermore, the quality of images provided by analog devices made it difficult to identify people and vehicles.

Better work safety and employee comfort

The implementation of the Axis network video system at Cadbury Wedel in Warsaw was so successful that the company went on to install similar solutions in its other two plants: The chocolate factory in Bielany Wrocławskie the Cadbury Wedel plant in Skarbimierz now use Axis network cameras for their video monitoring needs.

