

Ter Beke monitors its production line with Axis network cameras.



Organization:
Ter Beke

Location:
Les Nutons, Marche-
en-Famenne, Belgium

Industry segment:
Industrial

Application:
Production line
surveillance

Axis partner:
Labs Electronic

Mission

Ter Beke, a Belgian food group company specialized in the development, production and sale of ready meals and cold cuts, installed a new production line in 2007 at its 'Les Nutons' factory in Marche-en-Famenne. To optimize the control on the new production line and to decrease the intervention time for incidents, the company decides to observe the production line with network cameras.

Solution

To permit effective intervention, five AXIS 207 Network Cameras were installed at critical points on the production line. All of the images can be accessed from the operator station and remotely from any computer connected to the network of the group Ter Beke. The resolution of the cameras offers image precision that permits clear identification of the products passing along the conveyor and the nature of the problems that arise.

Finally, the built-in intelligence of the AXIS 207 permits that image recording stops automatically if the camera can no longer detect any movement on the conveyor belt.

Result

This system has dramatically reduced the intervention time for incidents. Moreover, the installation and the use of the video management software is very simple.

"Thanks to the high resolution of the camera, recorded images are in high definition. This allows the operating staff to clearly identify products on the conveyor and the nature of the problems that arise."

Eric Devezon, Ter Beke Group.

In 1948, Frans Coopman founded a small cold-cuts factory in Waarschoot. Over the years, the company evolved into an internationally leading Belgian food group under the name of Ter Beke. In the Les Nutons factory at Marche-en-Famenne, the Ter Beke Group has reached a new milestone in innovation regarding the production control of ready meals and cooked pastries.

More effective control

In 2007, a new production line was installed to increase the production capacity. Eric Devezon of the Ter Beke Group, "On the old production lines, operators had to move between the different production stages to check if everything was going well. Depending on the type of product, the rate of production can be very high. A problem at one production stage could cause significant damage and lead to problems downstream in the production line."

Ter Beke Les Nutons thus decided to install AXIS 207 Network Cameras. The relevant software is extremely easy to install and use, and the images recorded are transferred directly to the computer.

Remote monitoring

The deployment of personnel on this new production line is no longer necessary because it is the cameras that check certain stages of the line. The operator can thus monitor the different production stages from the operator station and react more quickly in the event of an anomaly. Thanks to the camera's lens, images are captured at a high resolution which permits the operator to clearly identify the products passing along the conveyor and the nature of the problems that arise. The installed cameras operate on an independent network through which the actual network of the company doesn't losses any energy.

Surveillance of critical points

The five AXIS 207 cameras installed are concentrated in four critical points that were identified on the production line. The first camera was installed at the start of the line next to the robot used to place the products on the conveyor belt. A second camera was placed at the exit of the grill oven to check whether the products are still positioned correctly. A third camera was placed at the exit of the pasteurization oven, and finally the last two cameras were installed at the end of the production line where the cooling process begins for the products. The last two cameras were positioned at a height of 3 meters, where local operator control is relatively problematic.

For this installation, the company made use of an additional camera function, namely motion detection. Thanks to this function, image recording stops automatically if the camera can no longer detect any movement.

The positive outcome of this project will result in its extension in future to other production lines at Ter Beke's Les Nutons factory and to the replacement of the analog cameras currently in use with network cameras.

About Labs Electronic

Founded in 1994, Labs Electronic is an engineering company that distributes equipment and software in the field of remote management, supervision and IP-based video surveillance.

