

Axis makes the town of Manerbio a more secure place. More than 40 Axis network cameras help monitor areas at risk and municipal traffic.



Organization:
Town of Manerbio

Location:
Manerbio, Brescia
Province, Italy

Industry segment:
City surveillance

Application:
Community video
surveillance

Axis partner:
Technology Associates

Mission

The town of Manerbio, some 22 km from Brescia, is an important commercial crossroads in the Brescia lowlands of Italy. With more than 13,000 inhabitants and a history stretching back to the Neolithic Era (5000 BC), Manerbio is run by a cautious, forward-looking municipal administration committed to ensuring efficient services for its inhabitants in every sector, especially in matters of security.

The town of Manerbio needed to adopt a video surveillance system that would allow the local police force to monitor areas at-risk as well as municipal traffic, while ensuring the privacy of residents in line with the regulations in force.

Solution

To obtain a completely satisfactory video surveillance system, the town of Manerbio published a call for tenders. After examining proposals from 20 competing companies, the town selected the project presented by Technology Associates Srl, a Milan-based systems integrator and Axis Application Development Partner (ADP) highly specialized in developing solutions for IP video surveillance, automation and remote control systems. Technology Associates in turn opted for Axis network cameras, which can deliver high-quality, highly detailed images, day and night.

"One of our primary objectives was to ensure maximum security for residents. Thanks to the Axis video surveillance solution proposed by Technology Associates, the police have an effective tool for monitoring the territory, at any time and from anywhere, while fully complying with privacy laws."

Dr. Mighela, Local Police Chief of Manerbio and the five associated towns.

The security requirement

The municipal administration of Manerbio is constantly committed to assuring efficient services to its residents in every sector, especially in matters of security. It required a video surveillance system to allow it to tighten its control over its territory and serve as technical support for the local police.

The aim was to place a series of cameras at strategic points in the town and the surrounding areas and develop a connecting infrastructure that would allow the administration to dispense with the use of conventional and costly connectivity technology. At the same time, this would provide the best data security and protect the privacy of residents.

Manerbio is secure

The project uses 50 Axis cameras of various models. Among the cameras selected, the AXIS 233D Network Dome Camera is equipped with powerful features like progressive scan, 35x optical zoom and fast, precise PTZ functions. The 35x optical zoom and 12x digital zoom can enlarge small and distant objects like car license plates to permit clear identification. The camera can also follow a walking person 400 meters away. Various Axis megapixel cameras were also installed. The AXIS 223M Network Cameras provide clear, sharp and detailed images thanks to their 2.0-megapixel progressive scan CCD with variable-focus lens and advanced image processing functions. The AXIS 232D+ Network Dome Cameras display Motion JPEG and MPEG-4 formats on a high-quality video network under all lighting conditions.

Another model used in the solution is the AXIS 212 PTZ Network Camera, which provides full overview, and instant, one-click pan/tilt/zoom to get the image details

with maintained sharp image resolution, all with no moving parts, thus minimizing the risk of wear and tear. In addition, two AXIS 241Q Video Servers/Encoders are in use. These proved to be the best solution for integrating the old analog cameras already located around the town into the new IP video surveillance system.

To monitor the areas under video surveillance, Technology Associates provided various access consoles to the town of Manerbio. Each has different displays, depending on the specific sectors and responsibilities of the local police, who are the only people authorized to access the control rooms.

The future of the community

Thanks to the flexibility of the solution designed by Technology Associates, the town of Manerbio intends to expand the installation. The next step will be to implement the IPView® Networked Intercom (IP video intercom), a powerful application designed and realized entirely by Technology Associates. The town has already acquired the solution. It is designed to use Axis network cameras for remote control of some motorized access gates currently being installed. In addition to surveillance of the area and remote control of the gate to the school, there are plans for automating restricted traffic areas in the future.

"For our small town, the video surveillance project is strategically important, because it noticeably increases our level of control over the area. The system implemented by Technology Associates has fully met our organizational needs and, just as importantly, it has enabled us to reduce our costs substantially compared to previous systems, without having to sacrifice greater control," said Dr. Cesare Trebeschi, Mayor of Manerbio.



"The project developed for the town of Manerbio shows that Technology Associates can integrate different technologies optimally and develop customized solutions that meet customer requirements perfectly. We've been familiar with Axis since the first network camera appeared on the market. Axis' after-sales support has always allowed us developers to produce and integrate our technologies with Axis. This support and the company's wide range and international scope have been strategic elements for us in defining partnerships and investments for the long haul," said engineer Felix Lars Keil, Director of Technology Associates.

