

Objective: Security.

Five Sicilian municipalities select Axis and MediaNET for video surveillance.



Organization:
5 Sicilian municipalities

Location:
Sicily, Italy

Industry segment:
City surveillance

Application:
Video surveillance of 5
Sicilian municipalities

Axis partner:
MediaNET

Mission

The municipal administrations of Campobello di Mazara (TP), Ribera (AG), Licata (AG), Montelepre (PA) and Misterbianco (CT) in Sicily share an important historical heritage, making them vacation destinations for many tourists. These municipalities, sensitive to the needs of their own residents and the preservation of their artistic and cultural heritage, decided to equip themselves with a video surveillance system to monitor their territory, discourage illegal waste dumping and combat petty crime.

Solution

To design and implement the video surveillance systems, they selected MediaNET, a company operating in the ICT sector that provides customized solutions, products and services: optimization of IT and security systems, implementation and strengthening of all types of networks, and the design and deployment of the most innovative telecommunication systems.

To meet the surveillance demands of the 5 Sicilian municipalities, MediaNET made use of Axis network video products which offer extremely high performance and are equipped with the most advanced technologies and wireless features.

Result

The project involved the installation of a total of 150 network cameras. The Axis network cameras guarantee optimal image quality even under low-light conditions and complete darkness. In addition, the ability to send the video images in real time via the Internet to the competent authorities allows easy and immediate control of at-risk areas, with rapid detection of violations of the law and suspicious activities.

"Axis network cameras, services and solutions represent an innovative and practical resource. The implementation of a video surveillance system with IP technology in the municipality of Misterbianco was a choice in favor of development and modernity, while at the same time providing a useful service to safeguard our towns."

Aldo Palmeri, Surveyor of the municipality of Misterbianco.

Integrated solutions to protect Sicilian municipalities

For the municipal administrations of Campobello di Mazara (TP), Ribera (AG), Licata (AG), Montelepre (PA) and Misterbianco (CT), it was essential to have at their disposal a means of monitoring their technology that was highly integrated and efficient, as well as easy to use and manage. It was also important to have a system that would produce clear and sharp images of any location, capable of providing law enforcement with a reliable tool for managing the security of the territory and its residents. Too often, in fact, the municipalities have been confronted with situations difficult to manage, especially in regards to traffic control, illegal waste dumping and petty crime.

Network video surveillance has proven to be the best choice for all of the needs of these municipalities: in fact, it allows wide areas to be covered, even those in hard-to-reach geographical locations, thanks to the use of WiMax technology and the installation of a HiperLAN system for the wireless connections. In addition, the ability to connect systems in different areas using the Internet allowed the creation of five control rooms – one in each municipality – located in the local police stations, which can only be accessed by law enforcement and authorized personnel.

To successfully meet the needs of the municipalities and achieve the best performance, various camera models were selected: the AXIS 211 and AXIS 221, fixed network cameras with infrared LEDs, were used in outdoor and indoor environments requiring 24-hour monitoring under all lighting conditions; in addition, the AXIS 233D, AXIS 232D+ and AXIS 214 PTZ were installed, cameras that guarantee sharp, clear, colorful and detailed images with a wide angle of view.

In addition, the municipality of Misterbianco had its own particular requirement: the construction of a brand-new multi-purpose building with a contemporary design required the use of high-performance cameras which are also elegant and discreet.

The AXIS P3344, a fixed dome camera enclosed in a tamper-resistant housing, proved to be the ideal choice. "This camera, which is very efficient and totally invisible to the eyes of passersby, is proof that it is possible to have the best technologies and an esthetic appearance suited to every kind of environment," stated Aldo Palmeri, Technical Supervisor of the municipality of Misterbianco. In addition, thanks to MediaNET radio technology, it is also possible to send the video images to a server located in the offices of the municipality, thus guaranteeing even higher security.

The simultaneous management of Motion JPEG and MPEG-4 video streams from the Axis cameras has allowed the optimization of the image quality and bandwidth usage, while maintaining the normal functioning of the data network. The images are recorded and managed with the AXIS Camera Station software installed on dedicated servers; the video streams are recorded and archived on the NAS, and new cameras as well as storage space can be added to the system as needed.

The Sicilian municipalities have confirmed their intention to continue the process of innovation begun with MediaNET and Axis with a new project: a network video surveillance system for the municipality of Tremestieri Etneo (CT). "We have already installed the broadband connection network in the area that will permit network cameras to be brought into this municipality too."

"Thanks to the Axis video surveillance system, it is possible to conduct video surveillance of wide areas characterized by different environments, thus guaranteeing high image quality. In addition, the use of WiMax technology from MediaNet's subsidiary Mandarin, the license holder, to strengthen the network signal has allowed optimal performance which is extremely useful in relation to security. For us, Axis is a historical reality that has had countless successes and supplies complete and well-supported solutions," stated Tino Sciuto, founding partner and project manager at MediaNET.

