

Cuneo Municipality.

A successful example of a municipal video surveillance system.



Organization:
Cuneo Municipality

Location:
Piedmont, Italy

Market segment:
City surveillance

Application:
Territorial video
surveillance and
monitoring of urban
road network

Mission

In view of society's growing need for security, the Municipality of Cuneo, chief city of the Piedmont province of the same name, has implemented a territorial video surveillance system to protect the city's remarkable artistic heritage and ensure better road conditions. In all respects, this system is a highly successful example of the development of a municipal surveillance project.

Solution

This solution, designed to meet the surveillance needs of the territory, in order to prevent and discourage illegal activities and improve the urban road network, was implemented by installing 57 Axis network cameras both outdoors and indoors. The cameras are connected using fiber-optic cables, Ethernet over Powerlines and Power over Ethernet technologies.

Result

The outcome has been extremely positive. The most relevant evidence of this is the district representatives' intention to extend the system to all areas of the city. The system comprises an Operations Center located in the Municipal Police Station, a Data Collection and Storage System located in the Data Processing Division and remotely-controlled network cameras connected to the municipal data transmission network.

"Axis network cameras live up to our expectations; they are reliable and easy to configure."

Dr. Pier Angelo Mariani, Comune di Cuneo.

Cuneo municipality and Axis network cameras

To protect the city's artistic heritage, protect citizens from vandalism and criminal acts and bring more order to the urban road networks, the supervisors of the Security Department of the Municipality of Cuneo developed a highly efficient video surveillance system based on Axis network cameras.

The system consists of an Operations Center for image viewing and checking, located in the Municipal Police Station, a Data Collection and Storage System located in the Data Processing Division and network cameras connected to the municipal data transmission network by both Power over Ethernet technology and fiber-optic cables.

The joint efforts of the Data Processing Division, Municipal Police, Cuneo Police Headquarters and Provincial Headquarters of the Carabinieri made it possible to determine the best location and number of network cameras required to ensure effective technology-based surveillance of the territory.

Fifty-seven Axis network cameras have been installed: fifteen AXIS 211 with integrated audio, one AXIS 213 PTZ, eleven AXIS 214 PTZ, twenty-one AXIS 221, two AXIS 212 PTZ, five AXIS 211 and two AXIS 210 network cameras. Nineteen of these cameras are linked using Power over Ethernet technology and thirteen with Ethernet over Powerlines technology.

The Operations Center was designed to view the images from all the network cameras, control the mobile video cameras (horizontal and vertical panning) and analyze the video recordings. The center is equipped with a centralized disk recording system to ensure reliable storage of the images taken by all network cameras.

It is important to stress how the management of the entire system fully complies with the privacy laws: access to the surveillance stations and the collected and processed data is only permitted by people responsible for data processing who belong to the Municipal Police Corps and Police and Carabinieri headquarters. The Data Processing personnel are in charge of the system's IT management. Moreover, for the established storage period (7 days), the recorded data is the property of the police, who must inform the competent judicial authorities – who are required to take action – in the event that a crime is detected.

The cost of the project amounted to 216,000 Euros, 50% of which was financed by the Piedmont Regional Administration and 50% by the Municipality.

