

The city of Maddaloni safeguards its artistic heritage, ensures residents safety and manages road conditions with Axis.

Outdoor Axis network cameras protect the territory and give residents a greater sense of security.



Organization:
City of Maddaloni

Location:
Caserta, Italy

Industry segment:
City surveillance

Application:
Community video
surveillance

Axis partner:
C.E.D.I. Informatica

Mission

The city of Maddaloni in Italy, also called "the city of twenty cupolas," is renowned for its rich artistic and cultural heritage that goes back to the time of the Normans. Located in the heart of Campania in the province of Caserta, Maddaloni is home to around 40,000 inhabitants.

The city of Maddaloni is committed to ensuring efficient security services for its residents. It required a video surveillance system that would allow the local police to monitor urban traffic, public buildings and historic sites, while respecting the privacy of residents. A solution for monitoring the territory would also serve as a deterrent to illegal activities.

Solution

The municipal administration of Maddaloni turned to C.E.D.I. Informatica, which was already the city's technical partner. The Caserta-based systems integrator designed and developed an IP-based video surveillance system using network cameras and video encoders from Axis Communications. The installation includes 2 video encoders and 11 network cameras located in various areas considered to be at risk.

Result

The results were positive. The solution fully met the requirements of the customer, as evidenced by their intention to expand the area under surveillance in the future.

"Today, the city of Maddaloni has another tool to protect its territory and give its residents greater confidence in the authorities and an increased sense of security."

Enrico Bellotta - Director of the city of Maddaloni.

Safeguarding historic sites, providing security for residents and managing urban highways

The project designed for the city of Maddaloni aims to safeguard the artistic heritage, protect residents against vandalism and crime, and also improve urban road conditions. It consists of 11 Axis network cameras located outdoors and connected by wireless technology.

There are five AXIS 232D+ Network Dome Cameras around the area, positioned to give a complete view of the city squares being monitored. The AXIS 232D+ model can display Motion JPEG and MPEG-4 formats on a high-quality video network under all lighting conditions. These Axis dome cameras can rotate 360° quickly and precisely, and can be set to 50 predefined positions and used for inspection rounds. Fast, high-precision PTZ control with a mouse or joystick can aim the camera at critical points in the monitored area.

In addition, two AXIS 240Q Video Servers/Encoders are located in different buildings. This is the best solution for integrating the six analog cameras already located around the city of Maddaloni into the new IP video surveillance system. The purpose of the AXIS 240Q is to facilitate the migration from analog systems to IP systems ideal for video surveillance and remote monitoring. These video encoders receive four analog channels and transmit them using IP.

All buildings are connected by 5 GHz Wi-Fi bridges, to increase security and reduce interference. The project also includes a hub that serves as a control room and data collection center, located at the Municipal Police Headquarters, where images are sent by wireless connection and the recordings are archived.

To ensure full compliance with privacy laws, the access to and inspection of the collected data is restricted to officers of the local and state police. The recorded images are stored for 3 days. The application uses Linux-based software, customized by C.E.D.I. Informatica to meet the needs of the customer.

Objectives achieved

The implementation of the video surveillance project has proven to be beneficial to the city of Maddaloni. In addition to detecting serious threats, the cameras installed in public areas serve as a deterrent against assault, theft and vandalism. As well as integrating the existing analog cameras into the new system, the flexibility of the Axis solution will allow future expansion and the implementation of new applications.

"The objective of C.E.D.I. Informatica has always been to satisfy the needs of our customers in every respect. Today, thanks to our strong experience in this sector and the use of reliable and cutting-edge products from Axis, we can say we've accomplished our mission better than ever, and we believe the city of Maddaloni could be the shining example in our book of case studies," says Piero Molinari - C.E.D.I. Informatica.



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