Axis Communications for urban security in the Municipality of Sant'Antonio Abate.

An advanced territorial video surveillance system for a municipality of Campania.

Organization:
Municipality of Sant'Antonio Abate

Location:
Campainia, Italy

Industry segment:
City surveillance

Application:
Safety and security

Axis partner:
Integra Solutions srl, Selcom srl

Mission

The Municipality of Sant'Antonio Abate, always attentive to preventing and countering problems related to urban security, needed an advanced video surveillance system to assure greater territorial control and prevent crime, especially in high-density shopping districts. The aim was to provide an integrated means of handling security, capable of monitoring urban areas on a preventive basis, controlling emergencies and supporting activities for restoring normality.

Solution

The design and implementation of the system was entrusted to Selcom, a Security System Integrator specialized in advanced security systems and capable of integrating the best products available on the market.

To provide a concrete response to the Municipality's real security needs, Selcom made use of the strong synergy developed between Axis video network technologies and the video and signal management system offered by Integra Solutions.

Result

A single management and control system was installed in this Campania Municipality for all of the envisaged security devices and applications, which were integrated and centralized on Integra Solutions' iDefender software platform. The two pre-existing territorial video surveillance systems were integrated into the same system, thus ensuring the unified management of public safety, and protecting previous investments by leveraging and improving the existing equipment with more innovative Axis IP cameras.

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> " The Axis and Integra solution makes use of the best technologies available on the market. Thanks to the iDefender® platform, it's possible to integrate the cameras and the Intelligent Video functions in the best possible way, providing the operators with a single tool for monitoring and supervising all the different systems at the municipality's disposal."
>
> Paolo Finelli - Integra Solutions.

Video surveillance, reading license plates and access control: a cutting edge territorial control system

The installed system consists of seventeen new peripheral stations, composed of multiple capture points for continuous, real-time monitoring of images of the indicated areas of interest.

The products that constitute the heart of the video surveillance system are of different types: 37 AXIS P1357-E Network Cameras allow displaying extremely high-resolution contextual images, thanks to 5-megapixel sensors and the P-Iris system, which enables automatic and precise control of the iris position, optimizing the lens' depth of field and resolution for optimal image sharpness; two AXIS Q6032-E "Speed Dome" with advanced PTZ functions that make it possible to frame a vast area with controllable pan/tilt and zoom, allowing sufficiently detailed framing for the main areas to be monitored; and lastly, four AXIS Q1604-E that allow license plate identification and reading, positioned at the various access points to the Municipality.

The new Axis cameras, combined with the 22 pre-existing IP cameras deployed, form a single, powerful and advanced territorial video surveillance system capable of fully meeting the city council's requirements.

A control room has also been set up inside the operations center of the new municipal police headquarters for controlling and managing the entire video surveillance system, and where the entire system can be controlled and managed via a single graphical interface.

To aid control and maintenance activities inside the control room, explains Paolo Finelli with Integra Solutions, an iDefender Keeper Server appliance has also been installed, an advanced control device for the video surveillance systems and all the equipment on the network (antennas, switches, routers, etc.), capable of performing remote monitoring and handling intelligent alarm forwarding.

A special component of this technology also allows alarms to be parameterized by type, as well as establishing rules for forwarding and re-forwarding in the event of "non acceptance" by one or more recipients, facilitating and optimizing maintenance operations, and interfacing perfectly with extremely high-quality images supplied by the cameras, concludes Paolo Finelli, Integra Solutions.

Transportable video surveillance station

To counter illicit waste dumping and monitor critical situations, even transitory ones, the Municipality has also been equipped with a Case Detector, a transportable video surveillance station. The technology is packed in a single device that is lightweight, compact, autonomous in terms of electric power, contains all instrumentation, and comes complete with accessories for rapid and easy installation. The result is an ideal solution for territorial control, even for temporary events, and which completes the video surveillance system implemented by the Municipality of Sant'Antonio Abate.

"We are particularly satisfied with the adopted solution. The system is able to provide various functions such as video surveillance, read license plates, control city access points and generally coordinate all the technological systems for urban security in the Municipality," stated Commander Capuano, Municipal Police of Sant'Antonio Abate.

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