The Town of Cava de' Tirreni is safe with Axis.
Video surveillance focused on sustainable development.

Organization:
Town of Cava de' Tirreni

Location:
Salerno, Italy

Industry segment:
City surveillance

Application:
Safety and security

Axis partners:
SEDAB Impianti S.r.l.,
Arteco IVS S.p.A.

Mission
The town of Cava de' Tirreni, in the province of Salerno, located close to the Amalfi Coast of Italy represents its northern gate. It is famous for its artistic and cultural heritage dating back to the Roman era.

Cava de' Tirreni is committed to guaranteeing its own inhabitants and many tourists not only efficient services but also safety. It was for this reason that the town needed to adapt and develop its video surveillance system in order for it to allow the local police to better monitor urban roads, public and historic buildings, while still respecting the citizens' privacy. An area monitoring solution would also serve as a deterrent against illegal activities.

Solution
SEDAB Impianti S.r.l., a family firm founded and still located in the area of Cava de' Tirreni, acts as technological partner of the town's Public Administration, and has created an IP video surveillance system based on Axis network cameras and encoders which includes 6 video encoders and 12 cameras spread across the areas at risk.

Result
The town of Cava de' Tirreni is fully satisfied with the positive results offered by the system installed. The solution fully satisfied the requirements of the client, as evidenced by their intention to expand the area under surveillance in the future.

AXIS
COMMUNICATIONS

"By equipping themselves with a technically advanced tool, Cava de' Tirreni's Administration, which has always focused its policies towards the safety and comfort of its citizens, have seen an increase in safety levels, thus making the citizens aware of the fact that they are being adequately protected."

Prof. Vincenzo Passa, the councillor responsible for the local police, mobility, civil defense and safety.

Protection of artistic heritage, citizens' safety and urban roads

The project designed for Cava de' Tirreni tries to safeguard the artistic heritage, protect the citizens against vandalism and criminal activity, and also improve traffic flow. It consists of 18 cameras located outdoors and connected to fiber optic networks and by wireless technology.

Designing the system has required, immediately after the functional and technical fulfillment of the requirements, the kickstarting of the town's ability to make the intervention "sustainable".

In the area there are 3 AXIS 233D and 9 AXIS Q6032-E Network Cameras to monitor the main roads and the squares of the historic center as well as the squares of the suburban towns. AXIS 233D and AXIS Q6032-E allow the network to display high-quality videos in MPEG-4 and H.264 format in all manner of lighting conditions. The Axis dome cameras can rotate 360° both quickly and precisely, and can be set to 50 predefined positions and used for inspection rounds. Fast, high-precision PTZ control can, with a click of the mouse, aim the camera at critical points within the monitored area.

There are also 6 AXIS 243SA Video Servers, the best solution for the recovery and integration of the 6 analog cameras which are located in some areas of Cava de' Tirreni. The purpose of the AXIS 243SA is to facilitate the migration of the existing analog system to an IP system, which is ideal for video surveillance and remote monitoring. These video servers allow for the receipt of an analog flow and transmit it using IP.1.

The equipment is connected to the control center through a Gigabit fiber optic backbone which connects 13 cameras and a wireless backbone that connects 5 other cameras. The control center, the backbones' hub, is situated at the Municipal Police Headquarters, where the images are sent and the recordings archived.

To guarantee full protection of privacy as well as access and inspection, collected data is restricted exclusively to officers of the local Police, State Police and the Carabinieri. Recorded images are stored for three days; the application used is the ARTICO-LOGIC software by Arteco IVS S.p.A.

The realization of the video surveillance project has proven useful for Cava de' Tirreni. In addition to detecting serious threats, the cameras installed in public areas serve as a deterrent against personal assaults, theft and vandalism. In addition to 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.