

INDUSTRY

Distributed IP video surveillance system.

END USER

Castellammare di Stabia municipality.
Castellammare di Stabia is a main tourist destination. To ensure a higher level of security to inhabitants and tourists and improve district control, the local administration requested the installation of a video surveillance system. The main objective is to provide state police, county police and the Corp of Carabineers with a control tool and an efficient prevention system of safety protection.

BUSINESS OBJECTIVE

Town municipality decided to provide with a video surveillance system in order to guarantee maximum security to both residents and tourists. The most crowded areas and those with the highest level of critical situations to be safeguarded are Romeo Menti stadium, Stabia spa town and road safety. The major need was to be able to visualize and analyze recorded and live images of all the installed cameras from every operations centre.

SOLUTION

Technical solution and system planning were entrusted to S.E.T.I. snc, Pro Partner Specialist of Promelit, in collaboration with Promelit S.p.A. Three major project phases were defined for this distributed video surveillance system: firstly, the installation of 7 traffic cameras and one security room at the command of the Municipal Police. Secondly, the number of cameras in the district area was increased and two more operations rooms were equipped at the police station and at the local command of Carabineers. Subsequently a security system was integrated inside the Stabia spa town: 7 cameras were installed outdoor and an anti-intrusion system was interfaced with the video surveillance installation. All this was then connected with the urban video surveillance system.

On the whole, the system numbers 36 Promelit cameras with Speed Dome technology, mechanical Day&Night and advanced motion tracking, ideal for installations that require high image quality 24 hours a day, 7 days a week, in every lighting situation. Cameras are connected through wireless backbone to MPEG4 encoding devices and TCP/IP transmission appliances towards the operations rooms.

This packet-switched wireless network was realized using Prolink Radio Bridges 5,4GHz with signal transmission up to 108Mb/s. The pivotal element of this system is DiMavision platform which allows you to manage up to 10.000 cameras, optimizing IP video surveillance for various applications.



The last stage of the project was the centralization of the TVCC system of Romeo Menti stadium. Two Promelit DiMax DVRs were installed to allow filing high-quality images and their subsequent elaborations.

Lastly, some of the cameras were imported in the urban video surveillance installation and centralized in the operations rooms creating a wireless backbone which connects the stadium with control centers through the use of a Promelit encoder.

RESULT

S.E.T.I.'s installation guarantees spectators' safety, both inside and outside the stadium. The validity of the system assures high quality of live and recorded images, reliability and long-life devices, allowing future integrations. In every operations room it is possible to visualize recorded images of all the cameras and analyze videos. The system is managed in accordance with privacy laws. Among economical benefits are the versatility of the devices, which can satisfy more functions at the same time, allowing to optimize acquisition and management costs avoiding the usage of expensive devices and moreover allowing the user to interface with just one technical support.