

Security...goes to the port.

The Sardinian port Marina of Villasimius is now under the protection of Axis.



Organization:
Marina of Villasimius

Location:
Villasimius, Sardinia,
Italy

Industry segment:
Government

Application:
Port surveillance

Axis partners:
IT Euromedia, Elmat

Mission

The Marina of Villasimius of Cagliari is located within the Protected Marine Area of Capo Carbonara, behind the promontory of the same name in the glorious and renowned sandy harbor; it is a structure built in accordance with the traditional architecture of the area, strategically situated for navigational routes just a few steps from the city center. The port is equipped to accommodate up to 800 vessels and aims for excellence in quality of service to all.

The need to document damages that may occur during docking maneuvers, to monitor the control of gates, to identify perpetrators of various crimes and offenses in areas with limited access, and taking into consideration the high value of the vessels using the port, all prompted the port management to acquire a video surveillance system capable of ensuring security inside and around the port.

Solution

In order to address the security of the port, the Marina of Villasimius chose to rely on the expertise of IT Euromedia,

System Integrator of Selargius (CA), and the consultancy of Elmat, a direct distributor of leading brands for structured cabling and networking, in order to create an IP video surveillance system consisting of Axis network cameras. "The models AXIS 221 and AXIS 214 PTZ were chosen mainly for the high reliability that these products offer and guarantee. Having listened to the requirements of the Marina's management, and through consultancy with Elmat, we opted for the creation of a video surveillance system with Axis network cameras," says Claudio Aresu of IT Euromedia.

Result

Thanks to the Axis video surveillance system, the Marina of Villasimius was able to meet all of their security needs. Just a few months after installation, the system has already proven invaluable. In fact, thanks to the excellent image quality of the recordings, it has been possible to detect key elements and facilitate the identification of perpetrators of certain offenses.

"We are satisfied with the Axis video surveillance system installed because it enhances security in the port and allow us to have a useful tool to promote the safety of personnel engaged professionally within the port area, and the increased safety of port traffic."

Amedeo Ferrigno, Director of the Marina of Villasimius.

Objective security in the port

The Marina of Villasimius, located between beautiful sandy stretches, is a dream come true for lovers of the sea. Tourists, besides docking their own boats, have the option to rent boats to visit a wide variety of beaches and bays accessible only by sea. The Marina is modern and well equipped. It can accommodate a maximum of 800 boats up to 60 meters in length. Inside the port is a shipyard with towing capabilities of up to 35 tons, as well as water and electricity, bathrooms and showers. The Marina is protected by two breakwater dams, an inner breakwater 560 meters long, and an outer breakwater 180 meters long. The guest vessels do not have draft problems: in the transit area the seabed varies from <5 to -6.5 meters. The protected stretch of water is over 78,000 square meters. The docks are both fixed and floating, and the inside of the port is protected against the fiercest wind.

Given the importance of the port to the area, the Marina's management decided to equip the entire port area with a video surveillance system. Two different models of Axis network cameras were chosen based on the different areas to monitor.

To get an overview of the port, and to monitor vessels all the way from the harbor entrance to the dock, the AXIS 214 PTZ Network Camera was selected. Due to its extraordinary mobility, a motorized zoom of 18x and an automatic viewfinder, it is possible to view enlarged angles of small or faraway objects with extraordinary clarity; the PTZ functions can quickly and accurately identify any selected object with ease. Embedded audio support also allows users located in remote locations not only to view, but also to hear what is happening in an area and to send orders or requests to visitors or unauthorized persons, thus managing any area with maximum efficiency.

In order to monitor the entry drive and the entire perimeter of the port, the AXIS 221 Network Camera was chosen. This camera features progressive scan technology that ensures moving objects are captured clearly and without distortion. In addition, the camera is capable of transmitting images at 45 frames per second in VGA mode.

Another reason why these two models were chosen is that both the AXIS 214 PTZ and AXIS 221 cameras are equipped with an automatic day/night function and have a highly sensitive CCD sensor, providing color-perfect images even under low light, or black and white images in the absence of light.

All the cameras were placed inside a housing to protect them against vandalism, salt water and moisture. "The products selected ensure durability and resistance over time, despite the adverse conditions to which they are continually exposed," comments Doriano Mucelli, Area Manager of Elmat.

The control room was set up in the management office of the Marina of Villasimius, located in the port square. Access is allowed only to the director and authorized personnel.

Doriano Mucelli concludes: "I have worked with Axis for several years and know the great potential of their products, including the ability to expand the existing IP video surveillance system at any time and with great ease. The scalability of the system is an important feature for the port of Villasimius, which will allow them to expand over the years as the need arises".



"The video surveillance system has from the beginning proven to be a key element for the security of the port. We have had excellent results in the shooting of day and night images of very high quality," says Claudio Aresu, Project Manager of IT Euromedia.

