

San Vincent de Paul, a Leed hospital with Axis security. Systems integration, fire alarm, digital video, access control and security offers high standards of care for patients.



Organization:
San Vicente de Paul
Hospital

Location:
Rionegro Antioquia,
Colombia

Industry segment:
Healthcare

Application:
Patient safety and
security

Axis partner:
EBC Ingeniería,
Honeywell

Mission

The new San Vicente de Paul Hospital in Rionegro Antioquia, located in one of the areas with the greatest export potential of the Andean Region, will offer the highest standards of patient care, accredited by the International Joint Commission; it will have the Leed certification, as an entity committed to sustainability and the environment and was declared special permanent duty-free zone, with all the responsibilities and benefits that entails to develop competitively worldwide, in both exports and imports of related products and services with the activities of the hospital itself.

The construction of the highest-tech hospital in Latin America took two years, with a total constructed area of 106,000m², and has 5 towers of 9 floors each; this modern medical center will receive more than half a million people in eastern Antioquia and opened its doors in 2011, at a cost of about 200 billion pesos. Thanks to the intention and design of the San Vicente de Paul Hospital, the equipment used is at the forefront of worldwide technology, in search of excellent administration, savings, safety and control of its facilities, making it the most technologically advanced hospital in Latin America.

Besides the automation and control systems of the Hospital being supplied and installed by EBC Ingeniería, subsystems are included such as the integration system via EBI Software, the fire detection and alarm system and the access control system, which includes Honeywell STAR II controllers and a large number of field peripherals, with proximity readers, which are all part of the technology that supports the hospital's operation.

Solution

After evaluating the Axis video solutions, 217 Axis IP cameras were implemented. The Axis cameras used for this project have a fixed network for day and night vision with superior video quality, featuring focus assistant, remote back focus and pixel counter that simplify installation. AXIS P1343 Network Camera is one of the video surveillance cameras that will provide visitors the fullest security of the modern hospital.

"With Axis video surveillance devices, better security and control is possible."

Hospital Administrators, St. Vincent de Paul.

Result

The building has a supervision and control system of basic services such as lighting, electrical, hydraulic, and electromechanical, through a central controller and a large number of Honeywell Alerton field controllers. With Axis video surveillance devices, better security and control is possible. Integration with third parties was achieved with various drivers: Modbus, BACnet, Lonworks and Opc.

Future applications

Among future applications to be implemented in the hospital are the issues of energy conservation, corporate integration and patient controls, a whole system that, thanks to the network, integrates several applicable functions for the safety of the center's patients and employees.



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