Maintaining daily life in harmony with Axis.

The city of Cayala uses Axis network cameras to provide endless opportunities and amenities to enjoy life in a modern, controlled and safe city.

Organization:
Cayala City

Location:
Guatemala City, Guatemala

Industry segment:
City surveillance

Application:
Safety and security, remote monitoring

Axis partner:
Revtec

Mission

Cayala, born with the foundations of traditional urbanism and surrounded by woods, contains a great natural wealth to its denizens. The 63 combined acres of land that make up the heart of the city include housing, commercial space, recreation areas, offices and medical clinics. Cayala offers dreams and realities in one place for its people. The challenge for the Cayala government is to offer a reliable and secure environment within a country not known for its first-rate security measures.

Solution

Cayala has implemented a differentiated security system that provides safety for the people of the city; in less than 30 years, the area has seen a 450% growth in the local economy as compared to its initial value. Therefore, the installation of Axis network cameras in Cayala was vital. The system of Axis products has proven to be unbeatable, as it provides a wide range of possible applications in the city.

Currently, Cayala has more than 740 Axis network cameras installed throughout the project along with two monitoring centers. The city selected cameras that were both vandal-resistant and designed for outdoor use. With varying climates, they also implemented cameras that would thrive regardless of rain or fluctuating lighting conditions.

Result

Without previous security presence in the area, surveillance is now an intricate feature within the city of Cayala. International consultants developed one of the most efficient security plans in Latin America, and with the addition of Axis network cameras and further safety equipment, it became possible to contribute to the concept of "Safe City," combining human resources and management to have a create an intuitive approach through observation, communication and information management. All of these factors are obtained through the different technology platforms on each Axis product.

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"The biggest challenge was to make Cayala a Safe City. Under this concept, we have managed to return the security, tranquility and quality of life that has been lost in complex cities in which we live today. We are proud of the improvements in the quality of life of our residents and visitors. These changes have been achieved using technology, infrastructure, people and processes, providing everyone with a safe and comfortable environment."

Hector Leal, Engineer/General Manager of Cayala City.

An investment comes to fruition

In early 2003, led by a master plan for Cayala City, a team of more than 25 architects came together led by the "father of traditional urbanism," Leon Krier. Their aim was to create a harmonious community. In 2011, the main commercial area opened, including convenience services and necessary establishments to develop a healthy lifestyle. With an investment of over 200 million dollars spanning the project length of more than 25 years, Cayala is now considered one of the fixtures of investment in Guatemala.

Ensuring security in varying conditions

The urban and architectural planning in the first phase covered over 68 thousand square meters of construction. This piece of the plan was created to maintain a safe environment for both visitors to Cayala and its residents. It was essential to have a video surveillance system with the best features, like high resolution cameras, to suit the demands of a "Safe City." The use of analytics continues to help facilitate decision-making and the implementation of new policies. Of the 92 Axis cameras installed, many different models were chosen with each installation point in mind. To utilize the most strategic cameras properly across the system, Cayala distributed a variety of Axis network cameras across the city. With seven AXIS Q1604-E Network Cameras and 29 AXIS Q6042-E PTZ Dome Network Cameras in place, the city has tools that are outdoor-ready and prepared for extreme temperatures.

All of the fixed cameras in Cayala have licensing to perform AXIS Cross Line Detection, an analytic that detects moving objects that cross a virtual line, triggering an alert to the proper authorities. Many other analytics are implemented as well, such as motion detection, audio detection and anti-tampering alarms. In addition, all of the cameras selected provide HDTV-quality video, ensuring smooth footage even in the most challenging of lighting conditions.

These include 48 AXIS P3364-VE Network Cameras with Lightfinder technology for potentially poor lighting conditions and 13 AXIS P3384-VE Network Cameras that help capture changing lighting conditions with wide dynamic range capabilities.

Reaping the benefits of safe living

Cayala now has a monitoring center, where security footage and other information are brought together for analysis and dissemination, collected from various sources. Those include government agencies, private organizations, residents and visitors, as well as specialized Axis equipment. Response times to events and incidents in the city have been faster and more effective with real-time management for crisis response. Large zones within the city required the use of more robust tools, and the Axis network cameras achieved a greater coverage of vast distances with fewer cameras. Among the many components to the AXIS P3364-VE is its compatible P-Iris control, allowing officials to precisely control the iris position. The iris opening is optimized for depth of field, lens resolution and incoming light, resulting in exceptional image quality with optimum sharpness.

Harmony, effectiveness and economy

Unlike the paradigm of the old days, where the preservation of laws and order in a city was the responsibility solely of the federal police, Cayala has the scope of the city with a single security agent in a monitoring center. Rather than guarding and patrolling the streets with small and limited resources, new technologies implemented have a large cost benefit to Cayala under the wing of security and surveillance. As modern cities have changed dramatically in recent decades with security measures, mostly in implementing technological tools, Cayala is now at the same high standard as a city that offers scenic nature, the conveniences of modern life, and above all, security in its community.

PASEO CAYALÁ

revtec revolution technologies

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