

Where the grass is safer.

Jardins Gênova Condominiums use integrated security system with Axis' full HD anti-vandal cameras with Lightfinder for complete security and convenience.



Organization:

Jardins Gênova
Condominiums

Location:

Uberlândia, Minas Gerais,
Brazil

Application:

Safety and security

Axis partners:

JE Consultoria &
Treinamentos, Network1,
Digifort

Mission

Urban violence in Brazil and the search for a better quality of life has led many families to move into high-rise residential communities. This preference, which began in the areas around the country's major capitals, is now common in medium-sized cities such as Uberlândia, the fourth most populous city in the Brazilian interior. One of the main requirements for these developments is security, and as a result the Jardins Gênova Condominiums decided to modernize its video surveillance system and create a highly secure environment for its residents, covering its vast area of 470,000 m².

Solution

JE Consulting & Training, an integrator specializing in network video surveillance installation, designed a project for Jardins Gênova consisting of 18 Axis network cameras managed by software from Axis partner Digifort, specifically Digifort Enterprise version 6.7.

Result

Plans are already being drawn up for an expansion project that will add video analytics, presence identification in restricted areas, as well as monitoring for vehicle speed limit and lane violations. At a later stage, the LPR system will also be deployed to store vehicle license plates as they enter, exit, and move around the condominium premises.

“Every residential condominium goes through stages in making the decision to adopt these kinds of tools. Most of the time, the approval process is slow. But in the case of Jardins Gênova, we saw that it was worth investing in cutting-edge technology that offered quality and innovation.”

Flávio Luis de Oliveira, CEO of Jardins Gênova.

A variety of models

A variety of security demands are presented by an area that includes the health club, swimming pool, multi-sport court, tennis courts, soccer fields and a lake. To address these needs, six different camera models were adopted. Some of them have full HD image quality, such as the 5 megapixel fixed-dome AXIS M3007-P and AXIS Q6045-E PTZ Network Cameras.

Some cameras are vandal-proof, such as AXIS P3384-VE Network Camera, which combines WDR technology with Dynamic Capture for high contrast automatic compensation and Lightfinder for color vision in the dark, and AXIS M3024-LVE Network Camera, with its integrated infrared lighting and IK10 classification. AXIS P1354-E Network Camera, a model also equipped with Axis' Lightfinder, is the most numerous camera in the overall design.

The system, which is scalable to support future expansion, uses an IBM server and a Lenovo ThinkClient image station with three monitors and a keyboard controller. When version 7.0 of the Digifort software is installed, it will be possible to use SD memory cards inside the cameras, allowing the software itself to collect images stored on these devices in the event of a fiber optic network failure.

Preserved legacy

The project in Uberlândia was carried out in stages. In the first phase, the old software was replaced by Digifort, and the technological transition was completed with complete success and customer satisfaction. Then the next step focused on the evaluation, replacement and installation of the Axis network cameras.

The consultant, Jonas Rocha, recalls that the customer was dissatisfied with the current situation but wanted to preserve existing monitors, switches and servers as much as possible. “When we deployed the Digifort software we improved the situation immediately. We replaced four cameras and installed 18 new models, all from Axis. There were 8 old cameras in working condition, resulting in a total of 26 cameras on the central monitoring system,”

says Rocha. “The main advantage was the versatility of Digifort and Axis in adapting a pre-established scenario, preserving old assets and providing ease of operation, modern technology, information security, and scalability for the future.”

For the consultant, the choice of Axis was justified by its quality. “Lightfinder, for example, was a key feature, since it captures images with true colors even in low light conditions,” says Rocha, who notes: “Many customers have stable cameras and software, but they don't use their potential for complexity and find the solution to be expensive. Integrators are the ones who need to think outside the box and make their customers' monitoring systems a complete success.”

In the third phase, the monitoring system will be upgraded to Digifort version 7.0, which will give the condominium's main resources “failover” redundancy. This will ensure system continuity, on-board storage in the event of loss of network communication, and a “bookmark” system to save visitor data.

Guaranteed future

The project is also expected to have extra features, such as the installation of new Axis cameras, use of bidirectional audio for entrance control kiosks, emergency panic buttons, and automation of gym air conditioning and soccer field and multisport court lighting systems.

In the fourth phase, the condominium will adopt video analytics for observation of restricted areas and monitoring of vehicles committing lane usage or speed limit violations. In the fifth stage, the LPR system will also be deployed to store vehicle license plates as they enter, exit, and move around the condominium premises.

“All this will support our 24-hour monitoring center, providing control, video analytics, security and convenience for all residents. These were the features that influenced our selection of the dynamic, scalable and innovative systems that Axis and Digifort offer,” says Flávio Luis de Oliveira, CEO of Jardins Gênova.



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INTELLIGENT DESIGN

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Digifort
IP Surveillance System