

A building for the future.

Business center opens with Axis door controllers and cameras under an innovative concept to better accommodate new technological developments.



Organization:
A&A Philippi Business Center

Location:
Florianópolis, Brazil

Industry segment:
Commercial

Application:
Safety and security, access control

Axis partners:
Unisec, HID Global, Exacq Technologies, Wolpac

Mission

Inspired by the most innovative property developments in the world, the A&A Philippi Business Center was designed to provide tenants with the latest in building management and monitoring technology. The developers of this 14,000 m² business center in Florianópolis sought to invest in systems and equipment that would remain up-to-date over the long term and enable integration with new systems and technologies as they emerge, enhancing its structure with cutting-edge developments.

Solution

In its design, Axis partner Unisec, as integrator, developed a strategic monitoring plan that covered all accesses and traffic areas in the condominium. Instead of presenting the customer with a proposal to install only the video surveillance system, Unisec offered a comprehensive solution that includes 42 fixed IP cameras operating in conjunction with ExacqVision Enterprise, a software package from Axis partner Exacq Technologies.

The solution also employs 12 AXIS A1001 Network Door Controllers for use with Wolpac gates, and 20 HID card readers from HID, another Axis partner.

Result

Everything went perfectly in Unisec's first deployment of Axis access controllers. The integrator needed only one technician and two days to complete the wiring and installation for the 12 controllers and 20 card readers. The Axis door access controller made it easy to integrate components that are not usual in the market, such as the garage door. This controller also allowed a specific software to be created for the project, thanks to the ability to access the API and development material. Because the controllers are powered by a PoE switch (which requires less conduit and infrastructure, ensuring a more robust environment with more space availability), the customer was able to improve the finishes in the property.

“Encryption is important for system security, both for access control and for video surveillance. All Axis devices support encryption, a feature that isn’t available in an analog environment. The security in the solution’s details made the difference.”

Lincoln Castelo, technical director of Beco-Castelo Construções.

Unifying services

Faced with the challenge of figuring out how to monitor a project inspired by the most innovative buildings in the world, the Axis solutions stood out thanks to the integration they offered. “The challenge was to unify services for security; the other solutions we looked at weren’t able to offer that. The customer didn’t want to use one software for ID management at the garage door and another for the pedestrian gates,” said Paulo Eduardo Rosa, from Unisec. The Wolflap II pedestrian gates, from the Brazilian manufacturer Wolpac, control access via sliding glass barriers.

“In the last three years we’ve used nothing but Axis IP cameras. For this project we have 42 fixed IP cameras, all of them directed specifically at strategic areas for monitoring the building,” says Anderson Eckhardt, manager of development at Beco-Castelo. The selected equipment includes HD and Full HD cameras for indoor and outdoor areas, including vandal resistant models that offer panoramic 360 degree views.

In all, 85% of cameras are from the M line: AXIS M1054, AXIS M3004-V, AXIS M3005-V, AXIS M3006-V, AXIS M3007-PV and AXIS M3027-PVE. The project additionally uses six AXIS P1405-E cameras that also offer Full HD. The Exacq software, which runs on a Linux virtual server, supports display on mobile devices such as smartphones and tablets at no additional cost.

A combination that makes sense

The integrator and customer knew that adding access control together with an advanced video surveillance system would transform the A&A Philippi Business Center into a trendsetting property in Florianópolis, especially at a time when IP technology is replacing analog equipment. Certain factors were instrumental in the decision to use cameras with Axis controllers.

Because it is a business building, the customer was concerned for the security of the data and images that the systems record. Both the access control and the video surveillance systems support encryption—a feature unavailable in analog CCTV systems. The controllers use Open Supervised Device Protocol (OSDP), an open technology that handles communication between the readers and controllers, ensuring a greater commitment to the security of encrypted data.

And further enhancing security, the Entry Manager software that is embedded in the AXIS A1001 controller was used in the project for initial hardware configurations and for the master user.

Axis’ after-sales support represented another key factor in the customer’s decision to go with the combined solution. The support and equipment warranty that Axis offers mean that the integrator and the customer enjoy even greater security. Unisec also pointed out that the training the manufacturer offers makes a difference when it comes time to suggesting its products—together with the Axis name, which enhances the image of the project.

Choosing to combine Axis cameras with Axis access controllers proved to be even more valuable during construction. “Axis works with models that are integrated but are still simple to install and work independently. This means more autonomy and less room for failure,” Eckhardt said.

Having completed this first installation using Axis controllers, Unisec recognizes the advantage of opting for advanced technologies like the ones that helped A&A Philippi Business to position itself as a development project that is innovative and poised for the future.



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