

SYSTIMAX®

SOLUTIONS

SYSTIMAX® Solutions Connect Venezuela's most Intelligent Building

Integrated systems for managing access, environment, security and fire suppression, as well as voice and data applications, are supported by SYSTIMAX® GigaSPEED® Solution

When the development company, Viña Plaza C.A., planned its new La Viña Plaza retail and office building in Valencia, Venezuela, it aimed to create a world-class business facility. Valencia is the capital of Carabobo state, home to most of Venezuela's industry, and Viña Plaza C.A. saw a demand from businesses operating in the region for offices equipped with state-of-the-art systems.

In particular, the company identified a need for advanced voice, data, video, security, and intelligent building management systems in its 14-floor tower. All these depend on high performance connectivity to deliver the best results so, to meet this need, the directors of Viña Plaza C.A. chose SYSTIMAX Structured Connectivity Solutions (SCS).



"We were determined to offer tenants the best available network infrastructure since this is vital to their ability to compete nationally and internationally," said Ing. Lisandro Estopiñan, co-owner of Viña Plaza C.A. "SYSTIMAX Solutions™ gave us rock-solid foundations on which to build all the networked systems needed by today's businesses."

At the heart of the La Viña Plaza tower is a 96m² equipment room. This houses a fully integrated Ademco automation and control system that allows equipment including CCTV, access control, air conditioning and lighting to be managed via a single screen.

From the equipment room, a network backbone incorporating 18,300m of 25-pair SYSTIMAX PowerSUM cable and 640m of 12-fiber singlemode cable connects with telecommunication closets on each floor. More than 64kms of 4-pair SYSTIMAX GigaSPEED cable, routed through ceiling spaces, connects the closets to 2,400 outlets in the tower's 60 retail and 140 office units. Patching hardware in the closets is a combination of the compact SYSTIMAX 110 type and the SYSTIMAX 1100 type that uses RJ45 connectors.

The equipment room also houses a 2,400 port Avaya Definity® ECS PBX, providing the building's

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tenants with a telephone service offering an estimated 40 percent savings on local and long distance calls. In addition, the PBX is linked with the access control and internal messaging systems to create the first such integrated facility in Venezuela.

Data switching of Fast Ethernet services over the network is also handled by Avaya equipment. Combined with the cabling this not only connects software applications, it enables tenants to view through any CCTV camera in the building via their PCs.

"With a network that has such high throughput potential, it is possible to provide a variety of innovative services," said Ing. Lisandro Estopiñan. "Our cabling ensures there isn't a risk that adding advanced new services will significantly reduce the speed or quality of communication."

In the tower's penthouse, which serves as a convention center, the network also plays a key role. The center's eight multi-use rooms and a 200-seat auditorium all have services including Internet access, PBX and video conferencing.

To install the complete network, Viña Plaza C.A. selected SYSTIMAX BusinessPartner, Logimix Sistemas A1. The leader of the project was the Ing. Juan Carlos Goncalves (Logimix) to do the network design, planning, installation and managing of the project. This work began in August 2001 and was completed in February 2002.

Among the buildings tenants now benefiting from the finished network are Telcel BellSouth, Caracas Liberty Mutual (Insurance) and Electricidad de Valencia (Electricity). William Brin, Sales Manager, SYSTIMAX Solutions, Venezuela, believes that companies such as these will increasingly demand the highest quality connectivity in their offices.

"Wherever in the world sophisticated businesses operate, they need a high performance communication infrastructure," he said. "Today, this is as essential as lighting and electrical power and, at La Viña Plaza, every tenant is assured that the connectivity provided will meet all their requirements, however demanding their computing applications may be."

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