

# SYSTIMAX®

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## SOLUTIONS

## BM&F Chooses SYSTIMAX® Solutions Way Ahead

### SYSTIMAX® GigaSPEED® Solution installed in the new HQ of the Brazilian Mercantile & Futures Exchange (BM&F)

Exchanges worldwide are facing increased demands both from their customers and global partners for new, more advanced services. These include availability of real-time electronic quotes and multiple translations in the international market. At the same time, markets are starting to operate on a global basis, so high-speed, highly reliable networks are now essential to their success.

To meet these challenges at its recently renovated building, BM&F (Brazilian Mercantile & Futures Exchange) has installed a SYSTIMAX GigaSPEED Solution. This state-of-the-art communications infrastructure now supports administrative and settlement systems for the Exchange, which is among the world's top ten derivatives exchanges by trading volume.



The city centre Exchange Building, with 16,000 square meters of office space on 11 floors, is equipped with triple GigaSPEED connectors at each workplace. In total, there are more than 4,000 data outlets connected via 195 km of GigaSPEED copper cable in the horizontal channels. Risers and backbones contain 5.9 km of OptiSPEED® multimode fiber. In addition to the data outlets, there are 3,100 outlets for voice communication.

#### Chosen with Foresight

BM&F chose the SYSTIMAX Solutions™ Category 6 compliant GigaSPEED cabling to provide high-speed communication that meets both current and future business needs. Category 5 cabling was not considered sufficient to meet the Exchange's fast growing needs. Currently, it is operating 100BASE-TX networking over its new cabling. However, without modification, the cabling infrastructure can also support Gigabit Ethernet applications soon to be installed.

"We needed an infrastructure that allowed future expansion of capacity and supported the cutting-edge applications that we are planning", says Vincente Antonio Pittner, Head of the Administration Department at BM&F. "SYSTIMAX Structured Connectivity Solutions (SCS) was ideal because it has all the performance and reliability we require to support end users now and in the future".

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Eight telecommunications rooms located throughout the building are interconnected to give maximum resilience in the event of disruption of part of the network. All the rooms are equipped with SYSTIMAX PATCHMAX® RJ45 and 110 patching hardware which, like the rest of the network, can support end-to-end transmission speeds in the gigabit range.

The landmark headquarters are constructed within the shell of two buildings, one dating from the early 1900s, and the other from the 1940s. These have been cabled and converted to the latest standards with great care not to change their external appearance.

The cabling installation was completed by ParXtech, a SYSTIMAX BusinessPartner based in Sao Paulo. They began the project in December 1999 by designing the network layout and cable routing. Installation was then synchronized with the renovation and refitting of the prestige headquarters that started in early 2000. The network became fully operational in the first quarter of 2001.

### Global Trading

The system now provides a robust, secure infrastructure interconnecting the real-time systems needs to operate a 21st Century derivatives market. It is meeting steadily growing demand for communications generated by traders and global partners, and can be upgraded, when necessary, to meet needs far beyond those envisaged today. Among the most important applications it currently supports is the Global Trading System (GTS), which is the electronic trading platform offered by the Exchange that enables easy interaction between all of its members.

BM&F's most important partnership is the GLOBEX Alliance, which includes markets in Chicago, Paris, Singapore, Madrid and Montreal. GTS, the system that will provide electronic links between BM&F and all those exchanges, is connected into the GigaSPEED Solution. This will enable remote trading with the other worldwide markets 24 hours a day.

“In this project, the synergy between SYSTIMAX Solutions and ParXtech was an underlying strength”, said Ricardo Daizem, Account Manager, SYSTIMAX Solutions, Brazil. “We worked together to provide the best quality and highest performance connectivity infrastructure, something that is essential to the working of today's exchanges.”

“This is not a luxury, it is a necessity,” he added. “Even with 100 Mb/s Ethernet, real-time trading is completed faster and more reliably, making operation of the whole organization quicker and more responsive,” he said.

*More information on ParXtech can be found on their website at [www.parxtech.com.br](http://www.parxtech.com.br)*

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