

# SYSTIMAX®

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## SOLUTIONS

## Banking on Network Security

### Advanced cabling infrastructure won J.P. Morgan Chase “Best Cabling Project of the Year” award from Financial Sector Technology Magazine

J.P. Morgan Chase, the investment bank, recently invested US\$3.81m in an advanced cabling infrastructure from Comunica's cabling division, Cableship, a SYSTIMAX Prestige BusinessPartner, for its new City of London headquarters in the UK. This 54-week project involved almost 50,000 outlets and 3,500 kilometers of cable, and is one of the largest single installations in Europe.

J.P. Morgan Chase is an internationally renowned investment bank responsible for managing US\$178 billion of assets. A typical dealer has to operate in an extremely volatile, mission-critical trading environment. It was therefore considered vital that the most up-to-date technology available - including an increase in bandwidth - was installed to enable faster, reliable access to shared information for dealers, clients and partners.

“Reliability is everything in the finance industry,” said Richard Bell, Executive Director at Comunica. “A company like J.P. Morgan Chase simply cannot afford for its network to go down at any time.



The network was therefore designed to provide the required stability, without compromising on speed.”

The solution also had to support the organization's business needs over the next 20 years. As J.P. Morgan Chase migrates to new and more bandwidth-hungry applications, the system had to have the capacity to cope, so future proofing of the system at the design stage was essential.

Finally, the J.P. Morgan Chase team were insistent that the project ran to time and on budget. It was vital that the new premises be ready for occupation at the scheduled time - as a consequence both labor and materials were very tightly controlled.

#### The Project

J.P. Morgan Chase headquarters comprise eleven floors. The Main Equipment Room (MER) was located within the lower ground floor, and the Sub Equipment Rooms (SER) were located on the ground to eighth floors.

To meet all of their needs, J.P. Morgan Chase turned to SYSTIMAX® Structured Connectivity Solutions (SCS). The project included the installation of a Category 6 structured cabling system, backed up with a resilient and diversely routed Vertical Backbone infrastructure. The team from J.P. Morgan Chase chose to implement a fully structured system, terminated into 6-way outlet boxes throughout each of the back office floors and 10-way outlet boxes through the traders floors - there was a staggering 48,992 outlets in total.

**SYSTIMAX® Structured Connectivity Solutions**

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As the bank's business mix includes relatively passive, but vitally supportive back office areas as well as mission-critical trading areas, the company also specified that the backbone infrastructure be built up of the SYSTIMAX GigaSPEED® 3071 4-pair Low Smoke Zero Halogen cable and SYSTIMAX OptiSPEED® cabling. The backbone cables were installed to distribute communication services between the MER and each of the SERs. The backbone intra-links between SERs consisted of both fiber and Category 6 cabling.

In order to give further inter-connectivity between the various communications services, the fiber and copper cabling and the voice links were installed within the MER.

The SYSTIMAX GigaSPEED Solution used throughout, conforms to the current draft of the Category 6 standard.

The project proved to be extremely successful - so much so that J.P. Morgan Chase won the 'Best Cabling Project of the Year' Award from Financial Sector Technology magazine at its Technology Awards Evening.

The ability to exchange and share vital information at higher speeds than ever before gives obvious competitive advantages. Just as importantly, a far more diverse range of voice, data and multimedia applications can now be used. This, in turn, will lay the foundations for any new e-strategies that may be implemented in the future.

Perhaps the most evident benefit will be the flexibility that the structured cabling system delivers. With City office space at a premium, any unoccupied area is lost revenue. In the older premises of J.P. Morgan Chase, dealers could not occupy areas where there were no IT connections - at the new premises, almost every square meter can be used for trading.

As well as the prospect of greater revenues, the built-in stability of the system ensures that downtime is kept to a minimum, avoiding disruption of service to the banks customers. The new cabling infrastructure provides J.P. Morgan Chase with a solid and flexible base to meet all the foreseeable demands of the financial markets.

John McCarthy, Managing Director, Northern Europe, SYSTIMAX Solutions said "This flagship headquarters site will house some truly mission critical trading functions. It was therefore vital that Communica deployed a cabling infrastructure that the bank could depend on. The cabling had to be both high specification and ultra reliable to make sure it could handle current and future bandwidth hungry applications. That's why they chose SYSTIMAX Solutions."

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