

## High-Speed Network Build-Out for European Expansion

### **Background:**

Globix Corporation is a leading provider of Internet connectivity and sophisticated Internet based solutions to large and medium sized businesses. The Globix network is comprised of SuperPOPs (providing dedicated access, web hosting, co-location and an variety of solutions based services, Entry POPs (Internet Access, Virtual Private Networks, remote access and video conferencing) and Network Access Points (access to the Internet). Following an investment of over \$8million (USD), Globix opened a SuperPOP in the heart of London, setting the stage to continue its rapid expansion into Europe to become a worldwide service provider.

### **Criteria for Selection:**

Spread over three floors and covering 34,000 square feet, Globix's new State of the Art London data centre required high-speed (45Mbps) links with its two other major global facilities in New York and California. These had to be able to offer 'next generation' Internet to public and private users, as well as being future ready for the push into the rest of Europe, commencing with a new facility in Milan. Their fibre based Internet backbone connection needed to cut through routine Internet traffic, offering Globix customers superior performance and unparalleled service.

### **Why Panduit?**

Firstly, Panduit fibre-optic backbone solutions had already been used to great effect in the first phases of Globix's global network build out at Silicon Valley, California (61,000sqft) and Silicon Alley, New York (160,000sqft). Due to its ease of termination and modularity, the Panduit solution had enabled similar design for both Data Centres, making Moves Adds and changes that much easier to co-ordinate between the two. Further, all switching and routing services were controlled with the latest technology from Cisco Systems, which combines well with the unparalleled performance of Panduit's high performance cabling infrastructure.

### **The Panduit Solution:**

Panduit's Network Cabling solutions utilised both standard Cat 5e products and high performance unshielded twisted pair modular jacks, based upon Panduit's Giga-TX™ technology.

These systems were housed in suites of open racks, minimising floorspace requirements, and providing easy access for Moves Adds and Changes. Full Panduit horizontal and vertical cable management solutions were also employed to correctly manage the cables, maintaining bend radius control and eliminating performance loss.

✓ **Panduit's Copper Cat5e solution combined with Giga-TX™ Mini-Jacks™ offered the performance needed to support increased data rate requirements found in commercial offices.**

✓ **Panduit's leading small form factor connector, the Opti-Jack® connected the Globix Network to public and private peering points around the US, providing businesses worldwide with exceptional levels of service**



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