

## Suzhou International Science Park Selects SYSTIMAX® Solutions for Every Phase of Expansion



New buildings in fast growing enterprise development facility depend on GigaSPEED® XL and LazrSPEED® Solutions, taking SYSTIMAX outlets to 15,000

Since 2001, facilities at Suzhou International Science Park (SIPIS) have grown from 40,000m<sup>2</sup> to more than 300,000 m<sup>2</sup>. For each stage of expansion, the high-tech enterprise ‘incubator’ has chosen cabling from the same supplier, SYSTIMAX Solutions.

For Phase 1 of the development, SIP Science & Technology Development Co., Ltd, managers of the Park, chose SYSTIMAX® PowerSUM copper cabling. This still serves the first 40,000 m<sup>2</sup> business incubator building. It is complemented by OptiSPEED® fiber backbone cables connecting communications rooms with central computer rooms.

For the latest phases of the SIPIS expansion, the company chose the high performance SYSTIMAX GigaSPEED® XL and LazrSPEED® Solutions. GigaSPEED XL copper cabling in horizontal connections to work areas comfortably exceeds specifications of the Category 6 cabling standard. It can support Gigabit Ethernet over six-conductor, 100-meter channels, even under adverse conditions such as the presence of electro-magnetic noise.

LazrSPEED OM3 multimode fiber cabling used for network backbones can support transmission speeds of 10 Gb/s over distances up to 550 meters. Because the fiber is laser optimized, it can deliver this performance without need for very expensive electronics.

With these solutions, SYSTIMAX BusinessPartners, JiangSu China Sciences Intelligent Engineering and Suzhou World Trade Electronic System Construction, won the SIPIS business against intense competition. Three rival tenders offered cabling solutions from other international connectivity suppliers. SYSTIMAX Solutions was preferred for their high performance combined with industry leading guarantees and application assurances.

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Mr. Gu Zonggen, GM Assistant of Science & Technology Development

The new SYSTIMAX installation will connect a range of voice and data applications. These include video, audio, CCTV, access control, VoIP and building management systems. The cabling infrastructure not only supports all current bandwidth demands, it also has the performance to serve new applications needed by hi-tech companies in decades to come.

“To attract the best enterprises and talent to SIPIS, we must have world class network infrastructure across the site,” said Mr. Gu Zonggen, GM Assistant of Science & Technology Development. “Fast, reliable communications are essential for high technology start-ups to become successful. We chose SYSTIMAX Solutions to provide our connectivity because we knew this would help new enterprises develop and get their products to market more quickly.”

More than 100 high-tech enterprises are now based in SIPIS. These include software, system integration, integrated circuit design, biotech, materials research, engineering and environmental businesses. In total, more than 1,500 professional R&D personnel work in the Park, including 1,000 in the software and IC design sectors.

The latest phase of expansion at the Science Park includes a 58,000 m<sup>2</sup> high-rise R&D Science Plaza, completed in April 2006. Two further high-rise buildings, including fully furnished and serviced apartments for staff and visitors, will be available in 2007. An additional R&D building and a commercial complex are also included in this phase. All of these buildings are equipped with SYSTIMAX cabling.

“SIPIS is designed as a powerhouse for innovation and technical progress, both for the Suzhou region and all of China,” said Mr. Gu. “As our facilities grow, we are upgrading infrastructure to remain at the forefront of technology. SYSTIMAX Solutions and its BusinessPartners are helping us achieve this.”

A team of 20 people is completing cabling installation work in the new buildings. The network they are installing is configured in a star topology with two layers of redundancy to give resilience in the event of cable damage. Cabling is routed above the ceilings and new communications rooms installed in the latest phase will bring the total on the site to nearly 70.

The next phase of SIPIS expansion, now being planned, will be larger than all the previous phases together. It is expected that network infrastructure in this development will also use solutions from the SYSTIMAX portfolio.

Commenting on the installation, Mr. Charles Wong, Managing Director of SYSTIMAX Solutions in China said: “The business incubators and research facilities at SIPIS are laying the foundations for China’s high technology future. In the same way, SYSTIMAX high performance connectivity is a strong foundation for the future growth and success of the Science Park. We expect this project to be a model for many other projects at high technology facilities in China.”

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