

# SYSTIMAX® SOLUTIONS

## Nokia Lets the SYSTIMAX® GigaSPEED® XL Solution Carry the Load in China

**Industry-leading cabling performance handles heavy network traffic in Shanghai and Hangzhou offices**

**Nokia, the world leader in mobile telephony, is now using high-performance SYSTIMAX® GigaSPEED® XL copper cabling for data and video links at key facilities in China. Both its offices in Shanghai's Bund Center and R&D facility in Hangzhou's Ocean Plaza building are equipped with the SYSTIMAX Structured Connectivity Solution to handle heavy traffic loads on their networks.**



The facility at Hangzhou in Zhejiang province is a global R&D center for third-generation mobile networks. It houses nearly 500 staff who depend on fast, reliable connections for their communication development equipment and advanced software systems. The center is developing some of the world's most advanced

mobile telecommunication systems, and to meet deadlines in this fast-moving market, it must have the best available LAN infrastructure.

GigaSPEED XL cabling has performance well above Category 6 specifications and can comfortably support 1 Gb/s connections, even under adverse conditions. This helps ensure that Nokia workers in China get a fast response from their systems and don't experience extended wait times during large data file downloads. The cabling's low bit error rates also supports clear, continuous streaming video over the LAN.

Commenting, Mr Zhou said: "Communications equipment is extremely important in achieving our aim of better productivity and output. We like the idea that every component in the GigaSPEED XL Solution, from closet to desktop, is precision-designed and manufactured to work in unison. This gives us confidence that the solution will operate smoothly and serve our needs well."

The Hangzhou facility has a total of 3,400 GigaSPEED XL outlets and in the Shanghai office there are nearly 2,100. Data channels throughout the two buildings are connected via the SYSTIMAX PATCHMAX® RJ45 type patching hardware, housed in four communications closets in the Hangzhou office and one in the Shanghai office. Cabling at both sites was installed by SYSTIMAX BusinessPartner, Lead Systems, based in Shanghai. The company used 40Kms of GigaSPEED XL cabling in Nokia's Shanghai office together with 120 meters of each of 12-core multimode and singlemode OptiSPEED® fiber cabling in the network backbone. At Hangzhou, they used nearly 70Kms of horizontal copper cable connected to a backbone with 190 meters of 12-core multimode and singlemode OptiSPEED cables.

**SYSTIMAX® Structured Connectivity Solutions**

“ We chose the SYSTIMAX GigaSPEED XL Solution for its broader bandwidth, high-quality design, greater throughput and upgrade potential. We also want to think long-term, and the SYSTIMAX 20-year extended warranty on performance means that we can do this.”

Mr. Zhou Yi; Nokia's Technical Manager

Lead Systems also installed SYSTIMAX 100-pair Category 3 cables in the backbone to carry voice connections. These are connected via SYSTIMAX 110 patching hardware.

The LAN infrastructure is divided into a series of subsystems serving different parts of the buildings. Cables are carried above the open plan work areas in open cabling troughs to a matrix of ceiling outlets. From these, 15.8 meter GigaSPEED XL cords connect with the furniture outlets to give greater flexibility in workplace layout. This arrangement does not compromise network throughput since the cabling gives guaranteed Category 6/Class E performance up to 100 meters, even with six connectors in the channel.

Laura Chen, Sales Manager, SYSTIMAX® Solutions, East China, was pleased with the result. " China has its own special environment and people have different approaches to communications and work. So we work with customers and BusinessPartners to create cabling infrastructures that are simple and economical in terms of space and personnel," she said. "Reliability and accessibility within the work environment are also vital, and we are confident that GigaSPEED XL Solutions installed by authorized SYSTIMAX BusinessPartners consistently deliver excellent results in these respects.

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