

# SYSTIMAX®

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## SOLUTIONS

## SYSTIMAX® Connects Global E-Business Hub

### SYSTIMAX® Solutions provide Dubai Internet City with cabling infrastructure to suit businesses from hi-tech start-ups to multinational giants

State-of-the-art communications are at the heart of Dubai Internet City (DIC), the first complete IT and telecommunications center built inside a free trade zone. For high performance connectivity at the 37,000m<sup>2</sup> site, DIC management selected a combination of the SYSTIMAX® GigaSPEED® and OptiSPEED® Solutions for the latest phase of the \$250 million project.

A total of fifteen buildings including five constructed in Phase 3, will be equipped with GigaSPEED copper cabling. The buildings are also linked with the DIC data center via singlemode OptiSPEED fiber. When this work is complete, DIC will have 60,000 fiber connections, nearly 87,000 copper connections and 4,500kms of GigaSPEED cable.

DIC is the biggest IT-build in the Middle East, and has the largest commercial Internet Protocol telephony system in the world. Global information technology companies currently occupying include Cannon, Hewlett-Packard, IBM, Microsoft and Oracle.

DIC also offers a world-class business environment for smaller companies to innovate and grow, providing a base for targeting markets extending from the Middle East to India and the Commonwealth of Independent States to South Africa.

As with the seven Phase 1 and three Phase 2 buildings completed in 2000, tenants of the Phase 3 buildings can lease LANs as part of their facilities package. These LANs are based on the GigaSPEED Solution, which meets or exceeds specifications in the current draft of the Category 6 cabling standards. The GigaSPEED Solution comfortably supports Gigabit Ethernet, and its low-bit error rates improve streaming media and file transfer performance even at 100 Mb/s. For ultra-high throughput requirements, tenants can specify OptiSPEED fiber-to-the-desk access.

Whether leased or owned, tenants can link their networks to DIC central IT resources via 100 Gb/s OptiSPEED fiber connections. The central resources include broadband Internet gateways and server farms, as well as voice-over-IP services.

"IT resources are as important to today's businesses as office space itself, which is why we offer our tenants a full range of computing facilities," said Ahmad bin Byat, Chairman, Dubai Internet City. "It is essential those resources are always immediately accessible and that tenants also have the best



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*Mr Ahmad bin Byat, Chairman, Dubai Internet City.*

possible communications within their offices. We chose the SYSTIMAX Solution because we would not compromise on meeting these requirements."

More than fifteen communication rooms contain SYSTIMAX VisiPatch™ patching hardware, designed for quick set-ups and changes in new or existing networks. With the completion of Phase 3, DIC now has the world's largest VisiPatch installation.

Connections between the main distribution frame and tenants' communications rooms are either via copper or fiber, depending on the tenants' requirements. Where high-speed communications capacity is needed, OptiSPEED fiber backbones are used. However, if lower traffic levels are anticipated, lower cost of ownership can be achieved by connecting to the main distribution frame via GigaSPEED cabling in a collapsed backbone configuration.

For interconnection of the fiber infrastructure, DIC specified SYSTIMAX compact, high-performance LC connectors. Installations of LC connectors in the data center and main distribution frames in each building make DIC the world's largest user of this type of connector.

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SYSTIMAX SCS was also chosen because it offered leading global products combined with a strong local design and support team. Working with its partners (Bond Communications, Seven Seas Computers and Telematics), SYSTIMAX SCS has provided connectivity for Dubai Internet City since prior to its opening in October 2000.

Throughout the project, the partners have worked closely with DIC and SYSTIMAX Solutions to meet tight deadlines. For example, seven of the buildings had to be cabled within 21 days in the first phase of construction.

"This is one of the world's largest and most advanced infrastructure installations and it demonstrates that we have the right solutions and services to meet the biggest, most demanding requirements in an age where connectivity is decisive in business success," said Martin Hennessey, Sales Director, Middle East & North Africa, Turkey & Greece, SYSTIMAX Solutions.

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