

# SYSTIMAX®

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## SOLUTIONS

## Dubai Customs Prepares for Traffic Growth with High Performance Cabling

### Port Rashid's new landmark building is equipped with the SYSTIMAX® GigaSPEED® Solution

Dubai can look back on a long shipping tradition, but it is also enjoying an even brighter future as The Gulf's major shipping hub. Both past achievements and present ambitions are symbolized by the new headquarters of its Customs Department. The building's shape mirrors the sailing dhows that have carried cargoes to and from Dubai to India, Africa and Iran for centuries. Inside, advanced infrastructure for data and telephony is ready to support the systems needed during the first decades of the new millennium.

Computing and communications will be the foundations for efficiency, flexibility and growth in operations at Port Rashid. To underpin these IT systems, the Customs Department chose the most revolutionary cabling system available today - SYSTIMAX® GigaSPEED® Solution.

With end-to-end throughput of up to 1.2 Gb/s, the GigaSPEED Solution comfortably supports new, high-speed networking applications, such as 1000BASE-T. It has also led the way towards new Category 6/Class E standards for copper cabling components and systems. The GigaSPEED Solution exceeds all the proposed performance specifications in the new standards, and is fully backward compatible with other SYSTIMAX cabling and components.

"We made a deliberate decision to select "best in class" solutions throughout the new headquarters project," said Adel Shirawi, Head of Dubai Customs' IT Department. "To support the kind of systems that will maintain the Port's competitive edge, it is essential to have the best cabling infrastructure."

A twenty-year warranty applies to the complete system. The performance assurances cover the wide range of networking applications that have been fully tested with the GigaSPEED Solution at SYSTIMAX Labs.

"We are planning for the country's long term commercial future," said Adel Shirawi. "It is important that our suppliers have the same long-term commitment to the infrastructure they provide, and that they are still around in 20 years to back up their promises."



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*Adel Shirawi, Head of Dubai Customs’ IT Department*

Local company, Telematics, with over 12 years track record in managing and implementing major projects throughout the UAE and the Arabian Gulf, was chosen to install the 1,400 outlet cabling system. Telematics engineers worked alongside other teams fitting out the Customs building to finish the installation on time and within budget.

Telematics can take pride of having more than 300 SYSTIMAX SCS certified sites within the UAE. These support applications ranging from data and telephony to intelligent building management, security and safety systems as well as video on demand.

At the new Customs building, each of the three floors has a communications room containing SYSTIMAX PATCHMAX® panels with high performance D8GS patch cords. This distribution hardware is matched to the GigaSPEED cabling to give true end-to-end throughput in the gigabit range.

Cables are laid in the overhead cable trays connecting patch panel rooms to the outlets, which are wall and floor mounted throughout the office areas.

Backbone cabling and risers connecting the three floors is multimode fiber-optic cable conforming to the TIA 568-A standard. This optical fiber is fully integrated with the UTP copper cabling system to provide networking capacity to meet the Customs Departments needs for the foreseeable future and beyond.

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