

Case Study ›

PROJECT OVERVIEW

- Design and deploy a data and voice backbone infrastructure for a new-build headquarters
- 11 floors flood wired with over 1000+ CAT6 data points
- CAT6A inter-rack cabling for a new data center

Gulftainer corporate headquarters Sharjah, United Arab Emirates

Overview

Molex Premise Networks (MPN) was selected as the partner of choice to design and deploy a data and voice backbone infrastructure for Gulftainer's new build headquarters, the Sarh Al Emarat Tower in the Buhairah Coniche area in Sharjah.

About Gulftainer

Established in 1976 and based in the United Arab Emirates (UAE); Gulftainer Company Limited is the largest privately owned port management and 3PL logistics company in the world and has been delivering world-class performance to its customers for more than 35 years. The UAE operation includes the 'best in class' (SCATA Awards) Khorfakkan Container Terminal (KCT) and Sharjah Container Terminal (SCT), as well as port operations and logistics in Ruwais Port in Abu Dhabi, where the facility is managed on behalf of the international plastics company, Borouge.

Gulftainer's international presence spans over four continents and includes four UAE operations in Khorfakkan, Sharjah, Hamriyah and Ruwais, as well as activities at Umm Qasr, in Iraq, Recife in Brazil, Tripoli Port in Lebanon and Saudi Arabia where it manages container terminals in Jeddah and Jubail. The company has recently signed a 35-year concession with the Canaveral Port Authority in Florida, marking Gulftainer's first venture in the United States. The company's vision is to become a global top-six container terminal operator by 2020.

The project

Molex Premise Networks (MPN) was selected as the partner of choice to design and deploy a data and voice backbone infrastructure for Gulftainer's new build headquarters, the Sarh Al Emarat Tower in the Buhairah Coniche area in Sharjah. The project saw installation of a structured cabling system covering the executive floors of 37 to 43 with a data center on the 40th floor.



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The project (cont'd)

The design of the backbone infrastructure required compliance with the local regulatory requirements and the deployment of advanced copper and fiber connectivity to ensure the bandwidth anticipated by the design and close co-operation between Gulftainer, Molex and the MPN Certified Installer team ensured that the project was completed successfully and to predicted timescales.

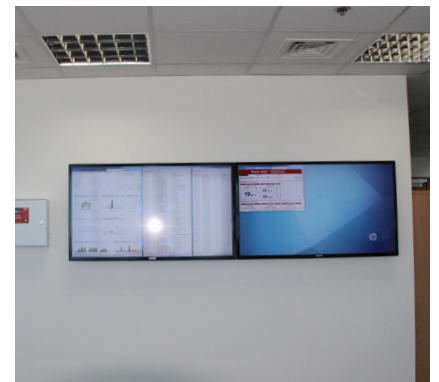
The office has been cabled using the Molex CAT6 solution and provides 933 outlets and the datacenter has been provisioned with CAT6A shielded solution and OM3 inter-rack cabling to provide high-speed 10Gb performance. The riser fiber backbone is designed with OM3 multimode cable providing high-performance 10Gb connectivity to enable full operability of a SAP ERP solution and other IT solutions.

Gulftainer chose Molex Premise Networks as their structured cabling vendor for the following reasons:

- a. Global availability and consistency of quality - MPN offers a global presence and a local MPN Certified Installer base, everywhere Gulftainer operates
- b. A complete product offering that fully supports each of the technological advances needed for each building including copper, fiber and cable management solutions
- c. MPN is more than just a provider of products and services - the close co-ordination and the design and consultancy assistance provided by Molex and its partners provides a cost-effective and highly reliable solution for Gulftainer
- d. Working with MPN means the continued assurance of the availability of critical material to ensure that projects are executed and completed to project timelines

The installation

The project extends to a total of 11 floors flood wired with over 1000+ CAT6 data points and with CAT6A inter-rack cabling for the data center.



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The backbone is redundant one with Primary and secondary Fibre cable runs through redundant paths and includes fusion splicing and testing. The commissioning of the project included adhering to the Gulftainer SCN standards, which included differentiation of services with colour patch cords and round wrap labelling. The entire installation has been also tested to the EIA/TIA standards and the results submitted for records.

The challenges

Co-ordination between multiple contractors and tight time scales were real challenges during the project. Linkwell assigned a dedicated crew with a senior engineer and technicians for the smooth execution of the project until its completion. Good support and coordination obtained from all the other involved building system contractors and the various departments ensured that the project completion was within the stipulated deadlines.

Testimonials

“The Molex comprehensive solution is equipped with affordable design and specification that gave us the strategic and cost-effective solution to maximize our network infrastructure investment over its lifetime. It has met all our requirements for a cost-effective, upgradeable, state-of-the-art network infrastructure to complement our futuristic design and supported our progressive vision”

Vinay Sharma, Group IT Manager, Gulftainer

“As a Certified Installer access to a comprehensive solution portfolio and support of Molex Premise Networks has been a great advantage for Linkwell. Combined with the extensive product portfolio, the ease of installation of the products and the technical and other support extended by the MPN team allows us to provide to our customers cost effective and proactive solutions for their requirements. We have completed this project installation and testing on time, facilitating a smooth transition of the offices for Gulftainer. The installation is now covered by the Molex 25-Year System Performance and Application Assurance Warranty.”

Siju Paul, Project Director, Linkwell Technologies LLC



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