



## SUMMARY

### Customer

Hydrocarbon exploration and production company

### Challenge

High-tech, future-proof new headquarters office building

### Solution

Technical Solutions Group (TSG) | READY!™  
Deployment Services | Intelligent patching cabling solution

### Results

- First of its kind headquarters
- Green certification credits from material recycling
- Efficient supply chain management
- Centralized networking design



Anixter's global experience best practices and technical experience for a variety of office buildings helped to provide the oil and gas company with a building that rivaled anything else in the world.

### Customer Challenge

One of the foremost hydrocarbon exploration and production company in the Middle East accounts for more than 90 percent of its country's crude-oil production and nearly all of its natural-gas supply. The company wanted to build a new headquarters building, which was to be a flagship project that used the latest and greatest networking technologies.

Everything needed to be run on a common backbone to take advantage of unified communications technologies. Because the project was to be the first of its kind in the country, the company and the hired contractor didn't have the requisite expertise to design and select the technologies for the business. The company's goal was to install a networking infrastructure that lowered operating costs over the lifetime of the installation. With many contemporary buildings using home-run wiring schemes, the company wanted a more flexible solution with top-level performance that didn't require recabling an office every time a personnel layout was reconfigured.

Anixter had a previous relationship with the company, working on data center projects in the plant. The company knew that Anixter had the expertise to provide the products, supply chain and training to deliver a high-tech and future-proof headquarters that provided optimal return on investment.

### Anixter Solution

In a traditional office building in the country, each person receives an individual office. To implement a flexible cabling solution, Anixter presented the company on the idea of an open floor plan. Part of the open floor plan was a raised floor. Anixter assisted with designing a configuration that used consolidation boxes spaced every 15 meters under the raised floor. This would allow the company to move and replug cable when someone needed to move. This eliminated the need for home-run cabling and allowed the company to install some 5,000 outlets for 1,800 employees. This design created a distributed infrastructure that was able to tie other systems into a single network.

Anixter recommended using an intelligent patching system. An intelligent patching system integrates copper and fiber patching hardware with system control software to better monitor, document and administer a complete communications network infrastructure. This intelligent patching system reduced the mean time of repairs and reduced overall downtime. Intelligent patching allowed for a smaller staff to maintain the system.

For the project, Anixter provided a single-manufacturer solution that used 10 Gigabit Ethernet technology and included the copper, fiber, racks and patch panels.

## CASE STUDY

# OIL AND GAS COMPANY GAINS HIGH-TECH HEADQUARTERS WITH ANIXTER



The company selected Anixter's READY!™ Floor solution for the project. As part of its READY!™ Deployment Projects, READY! Floor bundles all the products needed to deploy a single floor in one services and then delivers it to the job site when needed. This allowed the contractor to simply drop in the products, run the cable and hook up as necessary. This reduced the overall deployment time and minimized the complexity of the project. By using a local distribution facility, Anixter was able to store the products off site and deliver them according to the contractor's build-out schedule; this helped to minimize the space devoted to storage on the job site and greatly improved material manageability.

### Project Results

By helping to drive the technology, Anixter was able to provide the company with the flexible and future-proof solution it desired. Through its READY! Deployment Services, Anixter was able to divert packaging material from the job site and to recycling centers. The amount of material recycled was then conveyed to the company who used it for green certification.

With Anixter, the company gained control over the supply chain and knew when and where the product would arrive on the job site. The independent advice from Anixter helped the company to select the right technologies to create its state-of-the-art headquarters. The company is now able to provide additional services through the centralized networking system that would not be possible under a traditional design.

### Technical Expertise

Anixter has a variety of resources dedicated to keeping its customers current on the latest products, applications, standards and emerging technologies:

- Anixter Infrastructure Solutions Lab™ with end-to-end testing and performance reports
- Compatibility testing to confirm interoperability of products
- Technical knowledge of complete systems for surveillance and access control
- Deep understanding of IT and telecommunications standards
- Technical support with regional security managers and local networking and security experts
- Training and educational opportunities through Anixter University™
- Technical Committee Chair at ONVIF to keep abreast of the latest developments and provide input into ONVIF specifications



OVER  
**8,300**  
employees

OVER  
**100,000**  
customers

MORE THAN  
**450,000**  
products

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