

SYSTIMAX®

SOLUTIONS

Information Flows Faster at China National Offshore Oil Corporation with the SYSTIMAX® Intelligent Patching Solution

New corporate headquarters equipped with SYSTIMAX® iPatch®, GigaSPEED® XL and LazrSPEED® Solutions

The China National Offshore Oil Corporation (CNOOC) is a state-owned oil company that develops offshore petroleum resources in cooperation with foreign enterprises. It is China's biggest producer of offshore crude oil and natural gas, and one of the world's largest independent exploration and production companies. With 2,500 employees, its production reached 36.48 million tons of oil equivalent during 2004, up nearly 10 percent on the previous year.



To support its growth and future business plans, CNOOC started building a new 21-floor, 100,000m² headquarters in central Beijing during 2004. To match its advanced architecture, the company wanted this to be equipped with highly efficient communications systems. As a foundation for these, it needed the best available cabling infrastructure.

The building's cabling has to support an integrated voice, data and multimedia network with more than 10,000 information outlets.

This was designed to provide fast connections at every workplace, ensuring the rapid information flow that is almost as important to CNOOC as the flow of oil and gas.

To realize its plans to develop the production and supply of oil and gas in China, CNOOC must have the best possible communications throughout the organization. This is only possible with a cabling infrastructure that has a combination of very high bandwidth and low downtime.

To meet this need, CNOOC carefully considered cabling solutions offered by all the major suppliers. The choice it made was to use the SYSTIMAX GigaSPEED® XL copper cabling in horizontal connections and LazrSPEED® laser optimized multimode fiber in backbones and risers. For the network's distribution frames, it chose the advanced SYSTIMAX iPatch® intelligent patching solution.

SYSTIMAX® Solutions was chosen ahead of other suppliers because of its reputation for delivering reliable, high-performance cabling installations.

The GigaSPEED XL Solution comfortably exceeds the specification of the Category 6 cabling standard. Similarly, the LazrSPEED Solution conforms to the OM3 standards and transmits data at 10 Gb/s without the expensive electronics needed by singlemode fiber.

SYSTIMAX Solutions™ could offer the proven performance and reliability that CNOOC wanted. At the same time the SYSTIMAX iPatch System gave it the high level of management control it needed to have over vital LAN connectivity resources. Because of SYSTIMAX Solutions' position as a global leader and its reputation for excellence, CNOOC was confident that the company could deliver the sophisticated cabling and cabling management it required.

SYSTIMAX® Structured Connectivity Solutions

“ Choosing intelligent patching helps CNOOC ensure that it gets the best availability from its network by avoiding errors and completing changes in a quicker timeframe.”

Charles Wong, Managing Director of Greater China and Korea

The iPatch System helps monitor and manage the network to improve management control and cut downtime. At CNOOC, members of the Network and Information Department will use the iPatch software on their PCs to maintain a clear, real-time view of network connectivity. Status information on more than 5,000 copper and fiber connections is fed back to this software via links from iPatch cabinets in the new building's 44 communications rooms.

At the same time, managers can send information back to displays in the iPatch cabinets to tell technicians where to re-patch connections. This makes it easier for technicians to complete moves, adds and changes quickly without errors and confirms to managers that re-patching has been completed to their requirements.

Light emitting diodes by the connector blocks are an additional aid to technicians, showing them where they should connect patch cords. Together with the other innovative features of the iPatch System, this helps eliminate wiring errors that can cause network downtime.

Installation of the cabling infrastructure, including 300 iPatch panels, is being completed by SYSTIMAX BusinessPartner, CSCEC Electronic Engineering Co. Ltd. During the three-month project, the ten strong team from Beijing-based CSCEC will be assisted in the configuration of iPatch software by engineers from SYSTIMAX Solutions. When it is completed in November 2005, the iPatch installation at CNOOC will be one of the largest in the Asia-Pacific region.

Commenting on the installation, Charles Wong, Managing Director of Greater China and Korea, SYSTIMAX Solutions said: "The iPatch System gives network managers greater vision into and control over the entire communication network by integrating management of network applications and the physical layer. Choosing intelligent patching helps CNOOC ensure that it gets the best availability from its network by avoiding errors and completing changes in a quicker timeframe."

SYSTIMAX[®]

SOLUTIONS

© 2005 CommScope, Inc.
All rights reserved.

Visit our Web site at www.systemax.com or contact your local SYSTIMAX Solutions representative or SYSTIMAX BusinessPartner for more information.
SYSTIMAX Solutions is a trademark of CommScope. All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope.

This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to SYSTIMAX Solutions products or services.