

**PRESS RELEASE**  
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## Fernas selects 3W Networks for Telecoms at Umm Bab for Qatar Petroleum

Fernas Group and EPC contractor based in Turkey has selected 3W Networks as their Telecoms Systems Integrator for their Qatar Petroleum project to supply fuel gas to the Qatar National Cement Company (QNCC) and the Gulf Cement Company (GCC) at Umm Bab in Dukhan.

The scope of work for the Telecoms Systems Integrator includes: Detailed Design, Engineering, Procurement, Systems Integration, Factory Acceptance Testing and the Installation & Commissioning of an Ethernet based optical transmission network for carrying data signals of the SCADA network in a redundant configuration to new and existing stations. The communication network will also carry Voice over IP (VoIP) and provide the bandwidth for the carriage of the Fire & Gas and DCS systems.

3W Networks will design the network using the latest industry hardened ethernet switches from Nokia Siemens Networks. The equipment is to be fully integrated with Qatar Petroleum's existing telecom network.

The Nokia Siemens Networks A-2140 Carrier Ethernet Edge Switch has been developed specifically for delivering MEF-based E-Line, E-LAN and E-Tree services in the most mission critical customer environments as well as in central offices, with stringent environmental requirements. This 1U MEF-certified device is fully NEBS compliant, equipped with two redundant hot-swappable AC or DC power supplies and Dry Contact alarm interface for alarm management and can help to migrate TDM-based traffic seamlessly over a high-performance, cost effective carrier ethernet network. The unit supports 50ms carrier-class protection without using Spanning Tree Protocol.

The use of the Nokia Siemens Networks A-Series products places Qatar Petroleum at the forefront of technology and will enhance the reliability and performance of the current communications network for this leading Oil & Gas operator.

**Notes:**

**About Fernas Construction Company**

Fernas Group of Companies which was founded in 1970, is a global group in various sectors including; construction, tourism, production and energy. The company operates in such sectors internationally including Turkey and Qatar.

**About Qatar Petroleum**

Qatar Petroleum was established in 1974 as a national corporation completely owned by the State of Qatar. Qatar Petroleum is responsible for all oil and gas industry processes in Qatar and abroad, including exploration and drilling for oil, natural gas and other hydrocarbon substances, production, refining, transport and storage of the aforementioned substances and any of their derivatives and by-products, as well as trading in, distribution, sale and export of these substances.