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Local, industry-specific experience combined with market-leading equipment ensured that Nokia Siemens Networks' sales partner WWW.NETWORKS delivered Qatar Petroleum's fast-track communication networks in half the time it would normally take.



Utilities



The high market demand for oil and gas over recent years places intense demands on suppliers to get new supplies on stream as quickly as possible. At the forefront of meeting that demand is Qatar Petroleum, which relies on Nokia Siemens Networks sales partner WWW.NETWORKS to deliver its extended communications networks, carrying mission-critical safety and control data, as well as routine communications.

The oil company relies on its own communication systems to guarantee the high availability and security it needs, which public networks are simply unable to deliver. It demands 99.999% reliability from its chosen communication solutions.

Dubai-based WWW.NETWORKS uses Nokia Siemens Networks solutions to provide advanced communications systems to the oil and gas and the power utilities sectors across the Middle East and Africa. Several fast-track projects for Qatar Petroleum mark the long relationship between the two companies.

### A speedy solution

A typical pipeline project can be squeezed into 12 months, but the schedule for the communications network is much tighter, because WWW.NETWORKS must wait until the pipeline or other project work is complete before installing the associated communications system. Often this gives the company a window of just a few weeks to complete the project. According to WWW.NETWORKS, modular, robust products from Nokia Siemens Networks play a key role in meeting such deadlines.

The entire Qatar Petroleum communication system covers a variety of terrain on land and at sea. It therefore relies on a range of technologies, such as optical fiber and microwaves, depending on which approach provides the most cost-effective solution locally.

### Less is more

The market-leading reliability of Nokia Siemens Networks products also helps to keep capital costs down. The extended mean time between failure (MTBF) of the company's network elements enables WWW.NETWORKS to deliver the required availability using fewer components and lower levels of redundancy than would otherwise be needed. In addition, the centralized network management further reduces operating costs.

### Future-proof solutions

Crucially, Qatar Petroleum requires solutions that can adapt as needed to suit any new services or technologies that emerge. For example, hundreds of people live on an offshore platform and they are no longer content to queue in order to phone home. Modern offshore communications links therefore need the capacity to provide everyone with their own voice services and broadband connections. This contrasts strongly with a few years ago, when it would typically have carried only process signals.

### A winning combination

Nokia Siemens Networks and WWW.NETWORKS work together closely to deliver extremely reliable and flexible solutions within very tight timeframes.

### Challenges

- Today's oil and gas projects typically have extremely tight deadlines in order to meet intense market demand
- Mission-critical information demands extremely reliable communications
- Qatar Petroleum needs a contractor with a strong local presence

### Solutions

- Established solutions from Nokia Siemens Networks are modular, making it easier and quicker to integrate them within the network
- Extremely long MTBF and built-in component-level redundancy simplify network design and reduce the number of network elements required
- WWW.NETWORKS is based in Dubai providing local expertise to support the extreme network reliability required by Qatar Petroleum

### Benefits

- Fast-track project delivery and roll out enabled by WWW.NETWORKS
- 99.999% availability minimizes any potential for a communications breakdown to interrupt production
- WWW.NETWORKS has had an excellent working relationship with Qatar Petroleum since 1999. It offers extensive specialist experience in communications across the oil and gas industries.

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