



the digital oilfield



“Our value proposition addresses the heart of the oil, gas and mining industry with innovative and reliable collaboration solutions.”

Martin Denari
Global Director Vertical
Oil, Gas and Mining
Orange Business Services

give remote sites the same capabilities as your branch offices

Connectivity, real-time data delivery, collaboration and M2M are the technological pillars that allow the oil, gas and mining industry to bridge the gap between speedy decisions and resource availability.

Orange Business Services is a key player in this field, offering connectivity that goes from GSM to MPLS to VSAT, all the way to laying sub-sea surface fiber optic cables that create the connectivity.

Deploying technologies like M2M, unified communications and collaboration and telepresence, we are able to create a real-time collaborative environment at the heart of the digital oilfield.

**Business
Services**



your needs, our solutions

make decisions fast with real-time interactions

Orange has the ability to connect remote sites with sub-sea cables, broadband satellite, microwave and cellular networks, taking connectivity to exploration and production locations. Now your remote sites can have similar technologies as your branch offices with the latest unified communications tools, like instant messaging, email, voice over Internet protocol (VoIP) calling and videoconferencing.

The oil and gas industry relies heavily on scientific experts, including geologists and petro-physicists, to provide advice on crucial matters, such as reservoir interpretation, drilling direction and well analysis. With a live video feed, experts at a central location can make quick and informed decisions about your remote sites.

count on a truly global and experienced provider

We've been growing our presence in high-growth markets, such as the Middle East, in response to market and customer demand. We recently signed a new network infrastructure agreement with Aramco Services Company, the U.S.-based subsidiary of Saudi Aramco, the state-owned oil company of the Kingdom of Saudi Arabia, to provide information technology network services to connect sites in different regions.

We're also helping mining companies improve network connectivity both within and outside of mines. Until recently, the leaky feeder solution – a cable that sends radio signals through small gaps in copper sheath – was the preferred method. In the wake of mine collapses, however, we've introduced new technology that allows an ELF (Ethernet over leaky feeder) system to work from anywhere within the underground environment. It supports technologies like IP cameras and VoIP phones that run off the wide area network.

let your employees know that their well-being is a priority

Remote-site connectivity has enabled the advent of telemedicine, which could prove to be crucial in the event of an onsite accident or injury. Through video collaboration, a consulting physician can help with diagnosis and provide extra support to the onsite physician, who may not have the specialist skills or knowledge needed for the situation.

Conditions in the oil and gas industry are difficult, especially for young workers who are used to being "always connected." Facebook, Twitter, LinkedIn, YouTube, Skype and email are a part of their everyday lives, and the idea of leaving it for a remote oil field can be unappealing. With the right technology, we can help you bring all your onsite workers the connectedness they want and create a more friendly environment, helping to increase productivity and employee morale.

for more information about the digital oilfield, contact your local account team or visit our website at www.orange-business.com

five concepts

Our customer value proposition is built on five pillars to address all of your concerns:

- real time
- collaboration
- speedy decisions
- digital oilfield
- services

our services

connectivity

- network: agnostic connectivity, Ethernet, microwave, VPN, VSAT, marine, etc.
- acceleration solutions: MPLS, CDN

data management

- cloud: public and private cloud
- big data transmission and storage: virtualization, representation, etc.
- managed data center, infrastructure consolidation

knowledge management

- data sharing and training
- collaborative tools (e.g., telepresence) for a powerful real-time collaboration environment

employees' health and safety

- tracking and monitoring: GPS, RFID, telematics (fleet management)
- entertainment: connected TV, IPTV, VoIP

high added-value consulting services

- security, infrastructure, virtualization, disaster recovery plan