

Strengthen health and safety in the natural resources industry

The natural resources industry is facing major health and safety challenges, with workers in increasingly remote and dangerous locations, often using ageing assets.

Our safety applications will enable you to reach near zero workspace accident rates. And adopting IoT and big data analytics will make for more environmentally-friendly operations.



Improve site safety

Our IoT and big data solutions make your site safer and keep operations running 24/7, without accidents that can be damaging in terms of casualties, company reputation and financial loss.

Detect potentially hazardous situations and act quickly to mitigate the situation

Monitor site and equipment integrity and take proactive steps against failure

Spot patterns, identify emerging site issues and set up key performance indicators to measure overall safety

Protect employees at work

Working in natural resources can put workers in harm's way. Although they may take precautions, tired or stressed employees can have slower reaction times in potentially hazardous situations.

Use GPS and RFID to create a virtual geographic boundary for restricted areas. Tags inside workwear can set off an alarm if any rule-based incidents occur

For personalized safety requirements, we can help you develop wearables to monitor for the signs of physical fatigue or the threat of inhalation of toxins and fumes

Smart helmets and other wearables allow operations teams to monitor workers and their environment

Increase worker wellbeing

Physical and mental wellbeing are key to a productive workforce. A high-pressure and risky working environment away from friends and family can trigger physical and mental health problems.

Orange satellite connectivity can provide internet to remote locations and make home seem less far away

Our telemedicine solution gives medical experts the ability to remotely diagnose and monitor sick employees in hazardous offshore environments

Remote operation of site equipment allows employees to work in locations away from dangerous equipment

Respect the environment

With increasing legislation and public awareness, protecting the environment remains a priority when exploiting new resources.

Use drones and IoT sensors to monitor pipelines across their entire length to identify any issues and prevent leaks into the environment

LIDAR and IoT can track oil spills to ensure that they don't become environmental disasters. You can even fingerprint oil slicks to follow them better

Data intelligence helps you act on emerging issues before they become an environmental problem

Why Orange

We are an end-to-end IT service provider with a global reach and are uniquely positioned to support your business. We understand the multiple disruptions and changing dynamics the natural resources industry is going through. Our expert team can help you respond quickly and efficiently to changing market by improving asset and operations performance.

- We own and operate the world's largest private network
- More than 2,000 VSAT sites connected across 104 countries
- Largest catalog of objects with the ability to provide IoT managed global connectivity
- 2,400 data intelligence experts to structure and analyze your data according to your needs
- Security by design to control and manage potential risks of your objects and data

For further details of how we can help the oil and gas industry improve safety and productivity please visit: <https://www.orange-business.com/en/focus/natural-resources-empowered-business>