Your challenge

Oil & Gas companies are pushing harder to deliver efficiency and reduce costs. Automation delivers much safer and more productive rigs, but it brings a range of new challenges Oil & Gas companies have never faced.

Drillers now need to be constantly connected in an environment which is remote, rough and hostile to equipment at the best of times.

Because of this challenge, companies are looking for more and more reliable networks on which to run remote diagnostics in real-time, including measurements while drilling (MWD) and pressure, volume temperature (PVT) applications.

In a world where networks are intrinsically linked to production, any delay and subsequent restart can cost millions of dollars in lost production.

Our solution

Inmarsat’s Autonomous Backhaul Solution offers drillers an always on, minimal CapEx Solution, allowing autonomous equipment to be run anywhere on the planet.

The solution removes communication issues by allowing companies to utilise and connect equipment to a mix of wireless network, cellular and satellite connectivity.

Should the wireless network mesh fail, our solution will switch to cellular or our highly-available L-band network (up to 99.9% uptime).

Inmarsat’s world-leading BGAN technology ensures 3G+ network capacity is always available. Your data is securely sent over this network to the network server which can be located remotely.

The integrated platform provides an end-to-end solution that transmits site-specific data to applications in the cloud for analysis, delivering insights and supporting decision making.
How it works

Sensor → Satellite / cell → Terminal → Central server

Where we deliver

Due to the unique nature of Inmarsat’s geostationary satellite network we can deliver highly resilient, mobile communications services across the world. Global Xpress (GX), our Ka-band service is delivered through our Inmarsat-5 (I-5) satellites, while Broadband Global Area Network (BGAN) is delivered, through our Inmarsat-4 (I-4) satellites.

Where required, our ecosystem of local partners will deliver onsite warranty, support and repairs, and Inmarsat will ensure that all license and regulatory compliance will be in place.

Benefits

- Global coverage — use it wherever your business goes
- Managed service model — no need to invest in costly CapEx infrastructure at the outset
- Improved efficiency and worker safety
- Fixed data prices
- Best in class reliability trusted by the world’s leading mining operators

Features

- Real–time, reliable backed up data viewable anywhere on a dashboard
- Single contract — one monthly fee which covers equipment, service plan and support
- Emergency failover means your equipment is always connected
- BGAN, L–band connectivity offers 99.9% network reliability

About Inmarsat

Inmarsat is the leading provider of global mobile satellite communications services. Since 1979, Inmarsat has been providing reliable voice and high-speed data communications to governments, enterprises and other organisations, with a range of services that can be used on land, at sea or in the air. Inmarsat operates around the world, with a presence in the major ports and centres of commerce on every continent. Inmarsat is listed on the London Stock Exchange (ISAT.L). For more information, please visit www.inmarsat.com.

About Inmarsat Enterprise

Inmarsat Enterprise is the leading global provider of satellite-enabled connectivity and managed connectivity services for land-based organisations. We are enabling the Industrial Internet of Things (IoT) and helping transform business outcomes across a diverse set of sectors, including agriculture, aid and NGO, media, mining, oil and gas, renewable energy, transport and utilities.

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For more information

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This map depicts Inmarsat’s expected coverage following the commercial introduction of Inmarsat-5 F4 (I-5 F4). The position of I-5 F4 shown in this map is indicative only. This map does not represent a guarantee of service.

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