



Oil and gas

BGAN applications



Improving decision-making and asset management

➔ BGAN is the only mobile satellite service to offer broadband data with simultaneous voice, through a single, highly compact device on a global basis. It is also the first service to offer guaranteed data rates on demand for live video streaming and videoconferencing. BGAN terminals can be used indoors and outdoors, being robust enough to withstand challenging environments and extremes of temperature. Vehicular BGAN terminals comprise a tracking antenna for mounting on the vehicle roof and an interior unit.

Inmarsat's Broadband Global Area Network service – BGAN – offers the oil and gas industry a compelling combination: instant, remote voice and high-speed data using compact, lightweight terminals that are quick to set up and easy to use.

BGAN enables you to set up a temporary office with broadband connectivity while exploring new fields and wells or constructing drilling platforms. So the mobile field force can start working immediately, sending test data, images and video from site to base for analysis, helping to reduce find time. With vehicular BGAN you can minimise downtime even more by sending emails and making voice calls while on the move.

Both the upstream and downstream elements of the oil and gas value chain can benefit from BGAN. It enables improved asset and supplier management, rapid decision-making and contingency response and contributes to reduced capital and operating costs.

Applications

- Standard office applications: email, internet, intranet, VPN, telephony, VoIP, file transfer, fax
- Site engineers and geologists sending exploration data and images to headquarters for analysis
- Project managers sending progress reports and chasing suppliers and contractors
- Oil well and pipeline remote maintenance teams doing repairs and scheduling workforce
- Service teams checking isolated installations, enabling near real-time business reaction to well/rig asset status
- Remote pipeline and well diagnostics
- Welfare communications for remote workers

BGAN in-field equipment

- BGAN satellite terminal
- BGAN voice handset
- Laptop (MAC or PC)
- Power adapters AC/DC, batteries, cables

Key benefits

Simultaneous voice and broadband data

- Quickly establish voice and data communications for new projects in the absence of any terrestrial infrastructure and before a permanent site is established
- Send exploration data and reports, update timesheets and job schedules, track parts online
- On-site teams can send live video of their activities and discuss with headquarters by phone at the same time
- Send and receive data faster when away from site base-camp

Reliable

- BGAN terminals are extremely robust and can withstand challenging environments and extreme temperatures
- It can serve as back-up to fixed communications infrastructure once site has been established
- Reduces well and equipment downtime by enabling immediate repairs by service teams, who can contact engineers and specialists based at headquarters or site base-camp

Easy to use

- Quick and easy to set up and shut down
- No technical expertise required – can be deployed to more employees

Highly compact

- Terminal and accessories can easily be carried in a backpack or hand luggage by project managers travelling alone
- Less personnel required to carry equipment, thus reducing operating costs
- Vehicular interior units take up minimal space in the car, with a discreet tracking antenna mounted on the roof

Flexible

- Compatible with industry-specific 3rd party peripherals
- There are terminals that enable an instant wireless LAN so that remote teams can share a single BGAN connection
- Compatible with a wide range of standard networking and connectivity solutions: wireless routers, VPNs, thin-client software, FTP applications

- With a vehicular BGAN terminal you can access high-speed data while on the move
- BGAN supports both ISDN and IP connectivity solutions, so integrates seamlessly with existing network infrastructure
- Can be used without a laptop interface

Competitively priced

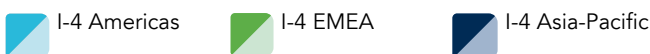
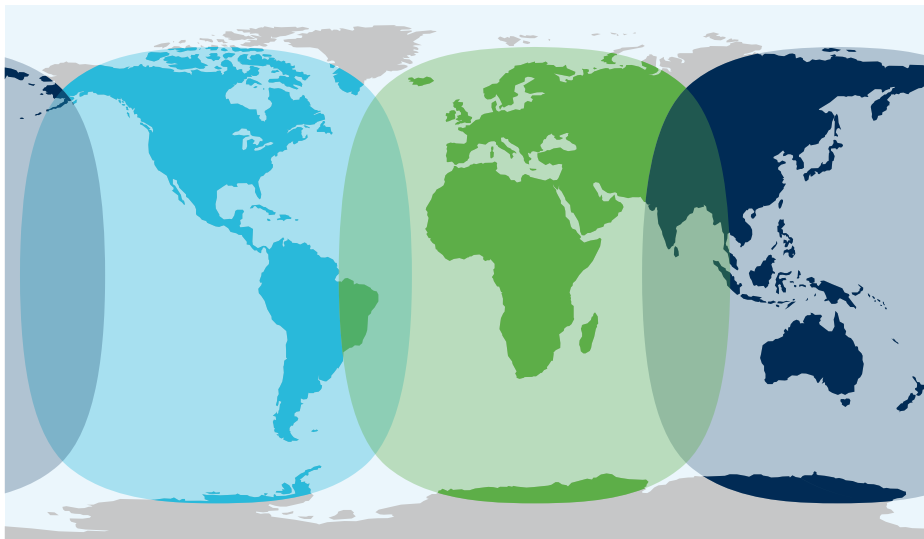
- Significantly lower costs for both terminals and airtime compared with previous mobile satellite services and no set up costs
- Can be deployed to more mobile teams, enabling real-time communications from more locations

Secure

- Password and SIM card protection to ensure only authorised staff have access

Coverage

BGAN is accessible worldwide so connectivity for your remote teams is assured.



This map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

How to buy BGAN

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