



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, truly portable device on a global basis. It is also the first service to offer guaranteed data rates on demand – up to 256kbps – for live video feeds and videoconferencing.**

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

BGAN enables you to set up a remote, temporary office with broadband connectivity while exploring new fields and wells or constructing drilling platforms – enabling smooth daily extraction operations and checks on remote installations and pipelines.

With BGAN, the mobile field force can start working and report test results immediately, helping to reduce 'find time'. It enables improved asset and supplier management, rapid decision-making and contingency response, contributing to reduced capital and operating costs.

Applications

Mobile field force connectivity with headquarters during field exploration appraisal and first phase of site construction for:

- Standard office applications: email, intranet, VPN, telephony, VoIP, internet, file transfer, fax
- Site engineers and geologists sending exploration data and pictures 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

In-field equipment

- BGAN satellite terminal
- BGAN voice handset
- Laptop (MAC or PC)
- Webcams and handheld cameras
- Power adapters AC/DC, batteries, cables
- Well and pipeline monitors, sensors, VoIP peripherals

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

- Extremely robust terminals that can withstand challenging environments and extreme temperatures
- Serves 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 when it's time to move on
- No technical expertise required – can be deployed to more employees

Highly portable

- Terminal and accessories can easily be carried in a backpack or hand luggage by project managers travelling alone and moved from one site to another
- Less personnel required to carry equipment, thus reducing operating costs
- Discreet deployment in hazardous areas

Flexible

- Solution for project managers travelling alone and for remote teams
- BGAN supports both ISDN and IP connectivity solutions, so integrates seamlessly with existing network infrastructure

- Compatible with a wide range of standard networking and connectivity solutions: wireless routers, VPNs, thin-client software, FTP applications
- Can be used without a laptop interface

Competitively priced

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

Global coverage

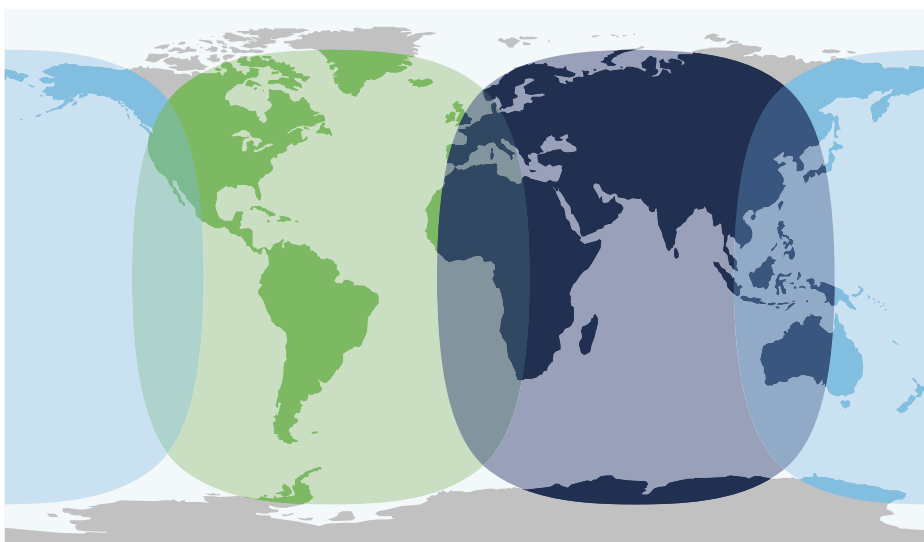
- BGAN is accessible in Europe, Africa, the Middle East, Asia, North and South America so connectivity for your remote team is assured

Secure

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

Coverage

BGAN is accessible in Europe, Africa, the Middle East, Asia, North and South America.



- 1-4 satellite F1
- 1-4 satellite F2
- 1-4 satellite F3 (launch date to be finalised)

The 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. The launch date of the F-3 satellite will be determined in due course.



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