

inmarsat

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ENABLING THE

CONNECTED WORLD

BGAN PTT SOLUTION

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Enabling organisations across a range of industries to transfer mission critical data and provide voice communications wherever your assets and operatives are located

YOUR CHALLENGE

Many of the world's most vital industries operate in remote locations, including organisations from the agriculture, mining, transport, utilities, media and aid and NGO sectors. Real-time telematics and voice communications can help workers stay safe and work more efficiently, however, remote environments commonly suffer from a lack of cellular connectivity. This prevents workers from being able to communicate with their colleagues or be tracked.

Utilities personnel performing inspections and maintenance routinely find themselves operating in coverage dark spots, unable to communicate easily with other teams and limiting safety and efficiency. The same challenge is faced by mining exploration teams, left unable to readily communicate by voice or

transfer vital data from machinery.

Rail organisations have to slow down their

operations at the cost of time and money when working in areas without cellular coverage. This is because they are not able to see where locomotives are located or to speak with drivers. Aid and NGO workers helping people affected by crisis similarly need to be tracked to ensure their safety.

OUR SOLUTION

Inmarsat's BGAN PTT solution enables you to see where your people are and speak with them anywhere in the world. Combining real-time telemetry data transfer from critical assets with the ability to extend voice coverage for drivers and staff beyond the range of your existing radio networks, you can be confident your organisation can operate efficiently and safely in remote environments.

The solution is built upon our highly reliable BGAN service, which delivers up to 99.9% uptime, so connectivity outages become a thing of the past. This rock solid connectivity ensures telemetry data on key machinery or vehicle assets is readily available to the control centre operator.

The solution utilises low form factor BGAN terminals like the Cobham Explorer 325 and 323, which are perfect for mounting on vehicles, locomotives and other machinery. The 323 terminal is the first of its kind, equipped with Inmarsat Class 12 type approval that enables it to be used for both M2M and traditional BGAN applications.

Combined with the smart PRISM PTT radio communications system, the solution can be easily integrated to extend voice communications beyond the line of sight.

CONNECTIVITY SERVICES

- BGAN
- Push-to-Talk (PTT)

THE BGAN PTT SOLUTION IS FOR YOU IF...

- You need to monitor key assets in remote locations
- You want to increase operational efficiency with improved visibility
- You need a resilient communications network that will not fail

FOR MORE INFORMATION

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BENEFITS

- **Real-time telemetry data** from your assets to give you visibility wherever they are located
- **Improve safety and operational efficiency** by expanding your existing radio network to provide coverage – anywhere
- **Highly reliable**, secure communications with 99.9% uptime
- **Provides a fail-safe communications backup** if terrestrial networks fail
- **Simple to operate**
- **Expand the coverage** of your existing equipment

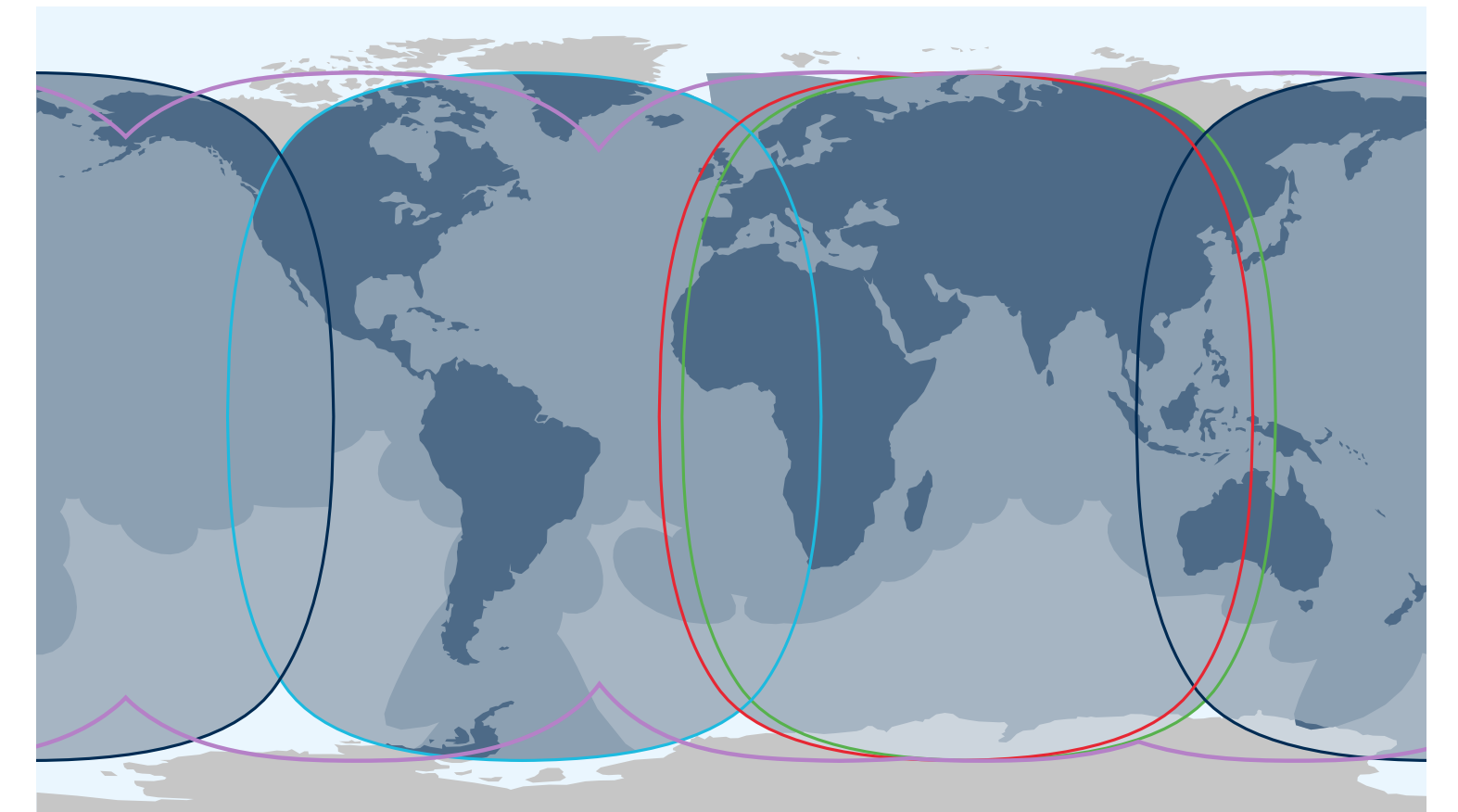
FEATURES

- **Global coverage** – connecting your assets and operatives anywhere
- **Fully integrable** with existing radio and telemetry systems
- **PTT solution** provides least cost routing, utilizing up to three different networks simultaneously
- **Full training** provided and a complete service package to give you peace of mind
- **24/7 support** whenever you need it

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 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.



Legend: I-5 F2 (blue), I-5 F4 (red), I-5 F1 (green), I-5 F3 (dark blue), I-4 and Alphasat coverage (purple)

Global Xpress network available over at least 99% of this area (dark blue shaded area)
Extendable Global Xpress coverage via steerable beams (light blue shaded area)

This map depicts Inmarsat's expectations of coverage. It does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. Fleet Xpress coverage March 2019.



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