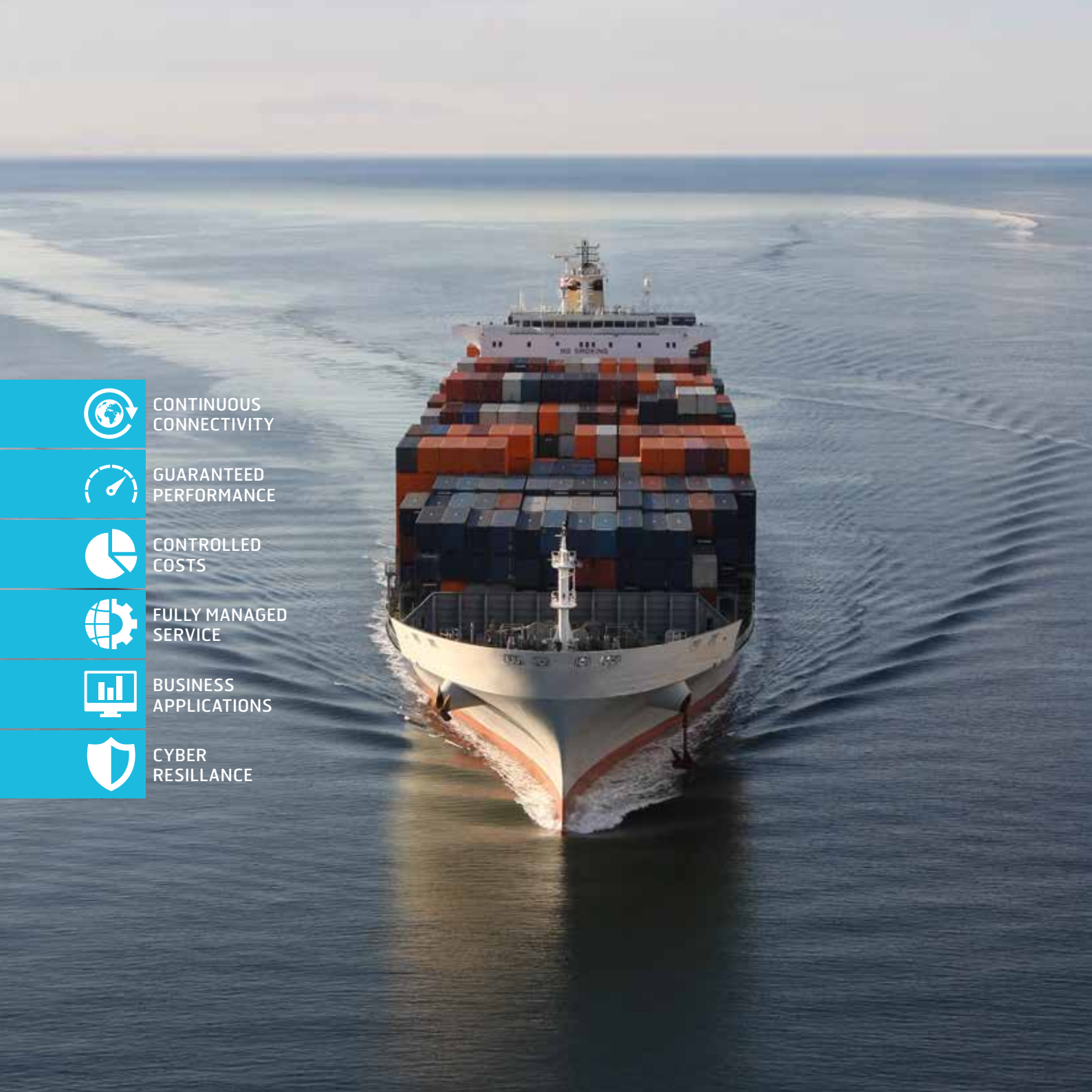
inmarsat
The mobile satellite company

Fleet Xpress

Discover a new standard in maritime communications


CONTINUOUS CONNECTIVITY
GUARANTEED PERFORMANCE
CONTROLLED COSTS
FULLY MANAGED SERVICE
BUSINESS APPLICATIONS
CYBER RESILLANCE

Fleet Xpress

Redefining maritime communications

Ship operators are continually faced with increasing regulatory, economic and technological demands. They are striving to improve business intelligence, information security and efficiency, and seeking to provide crew with enhanced communications. As a result, the need for bandwidth at sea is growing. It is Inmarsat's job to match those expectations with a service that is mobile, reliable and capable of handling large volumes of data.

Fleet Xpress, the latest maritime service from Inmarsat, takes communications to the next level for ship operators, crew and management by enabling shipping to run its business more efficiently through a scalable, high-performance, plug-and-play service.

With unprecedented reliability and simplicity, Fleet Xpress delivers the high data speeds enabled by Inmarsat's Global Xpress Ka-band technology combined with the proven reliability of FleetBroadband.

Global Xpress is the first and only globally-available, high-speed satellite network owned and managed by a single operator. This ensures that ships using Inmarsat experience a continuous, consistent service as they move across the globe. Fleet Xpress customers benefit from seeing their entire fleet communications managed by one, reliable operator – seamlessly.

Inmarsat owns and manages the entire Fleet Xpress service, from satellite networks to terrestrial backbones – delivering a standardised platform that is easy to manage, whilst offering exceptional performance, security and reliability. Inmarsat's Land Earth Stations (LES) are fully redundant, so seafarers can be confident they will remain in contact without needing to chase satellites. With Fleet Xpress, customers are always-on, always-connected.

For more than 35 years, Inmarsat has built an enviable reputation for developing world-leading satellite communications. It's technology has revolutionised communications for the many maritime vessels that operate globally, such as merchant ships, oil and gas carriers, and commercial fishing and offshore vessels. Fleet Xpress builds upon this exceptional and proven expertise, bringing a new dimension of communications services to the maritime world.

A new standard in maritime communications

Delivering greater bandwidth, seamless mobility and outstanding reliability, wherever you operate in the world

Every Fleet Xpress shipboard solution utilises both a Global Xpress Ka-band and a FleetBroadband L-band terminal, delivering high data speeds in a reliable, single Inmarsat-managed service, controlled by an onboard Network Service Device (NSD).

Purposely designed for mobility, Fleet Xpress provides a continuous, consistent service as traffic is handed seamlessly across each spot beam and between satellites around the world, all delivered by Inmarsat. Switching between satellites is handled by a tracking system that acquires the new satellite as a vessel moves into its coverage footprint. This is all done automatically to ensure seamless coverage and without the need for any intervention or manual actions by the crew. In the unlikely event of a degradation in the Ka-band signal, the NSD will automatically, seamlessly and temporarily switch to L-band, resulting in no break in service.

Sectors

- **Merchant shipping**
- **Fishing**
- **Offshore support vessels**
- **Superyachts**

Five powerful sets of benefits that together make Fleet Xpress unique

Continuous Connectivity

Ultimate reliability through a dual satellite constellation using Ka-band with unlimited L-band back-up, ensuring seamless global mobility

Guaranteed Performance

Committed data rates backed-up by service level agreements ensure that the customer always gets what they pay for

Controlled Costs

More accurate cost management with a wide selection of flexible subscription packages and one invoice

Fully Managed Service

Standardised plug-and-play service with 24/7/365 management, monitoring and support globally, for simplicity and complete peace of mind

Business Applications

A unique opportunity for enhanced operations by deploying value added services developed by third party application providers

Cyber Resillance

Increased preparedness for cyber threats at sea

Inmarsat Gateway

Maximising efficiency with advanced management and content-rich applications

The Inmarsat Gateway is the user interface for Fleet Xpress and provides a wealth of service configuration and management functionalities to allow ship owners and managers to maximise the capability of service. Using Inmarsat Gateway, managers can set access rights for different user groups and effectively control, manage and monitor the service.

Together with the power of the Inmarsat Service Enablement Platform (ISEP), Inmarsat Gateway enables a revolutionary new maritime applications ecosystem, taking Fleet Xpress beyond simple broadband communications. It allows Inmarsat's Certified Application Partners to develop and publish innovative, content-rich applications that integrate with the Fleet Xpress service.

INMARSAT gateway

Transforming the future of shipping operations

With a wide range of new applications, ship owners and managers can transform the way shipping operates, with real benefits in operational efficiency, safety and compliance, cyber security and crew welfare.

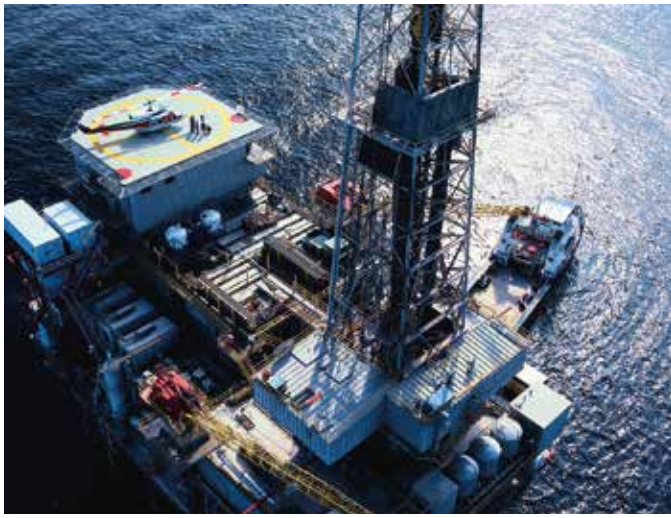
Live video for remote assistance and diagnostics, for example, becomes a viable proposition with Fleet Xpress, enabling advanced applications such as telemedicine and video surveillance to take operational efficiency to the next level. Video conferencing between the bridge and operational management ashore is now a reality.

Crew benefit from access to regular voice and video calls with friends and family, together with the ability to access sport and news, shop online and use social media via their smartphones, tablets and laptops.

Real-time monitoring and control

With the ability for equipment and software providers onshore to connect with their products, services and systems on board, a ship operator can benefit from real-time performance monitoring and condition-based maintenance services to optimise a voyage for financial performance, rather than just time or distance, and avoid costly repairs and delays.

With Fleet Xpress, Inmarsat is helping to create a new future for ship management and allowing operators to reach a new standard in operational efficiency, crew welfare and safety.



Inside Fleet Xpress

Inmarsat is a pioneer in satellite communications and maritime safety services. Having launched the world's first global mobile satellite communications system in 1979, to protect seafarers and provide a fundamental communications lifeline, Inmarsat is now the owner and operator of the most technically advanced commercial satellite networks.

With the launch of Global Xpress, Inmarsat has created the first high-speed commercial Ka-band broadband satellite network to span the world. Each satellite operates with a combination of spot beams that enable Inmarsat to deliver higher speeds through more compact terminals, and steerable beams, so additional capacity can be directed to where it is needed.

The satellites connect to Inmarsat's network of ground stations, which facilitate access between terrestrial networks and the satellites. Inmarsat's ongoing investment in its entire network ensures customers benefit from guaranteed network availability wherever they operate in the world.

Download the Inmarsat App to experience more. Scan this image to view more content.

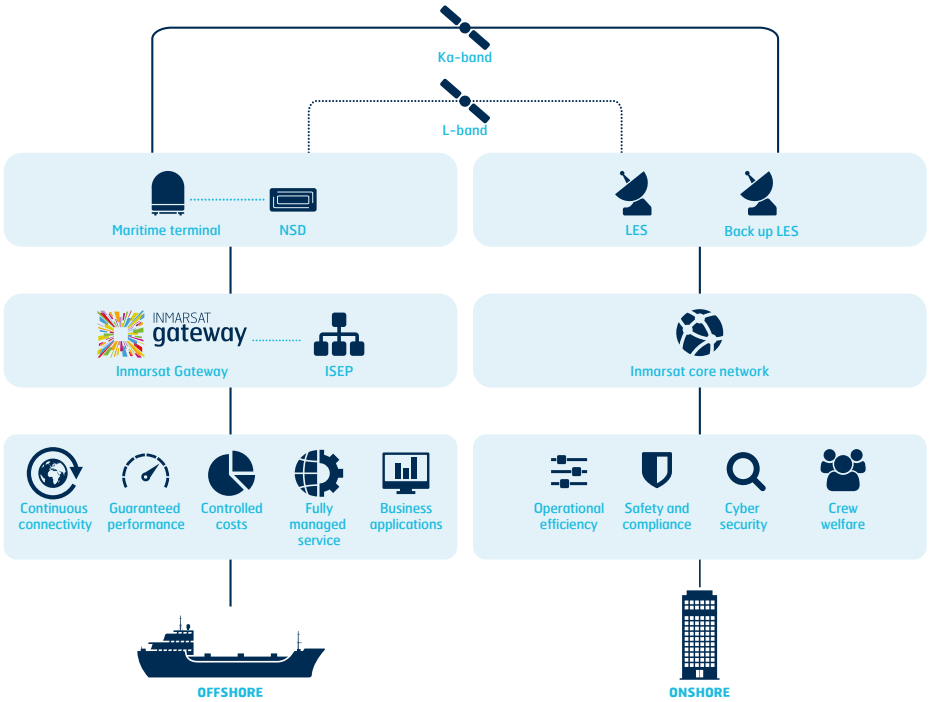
Plug-and-play terminals for quick deployment

In order to provide a cost-effective and easy-to-manage solution, leading manufacturers have developed a range of Global Xpress terminals with antennas of either 60cm or 1m diameter which have been type-approved by Inmarsat for the Fleet Xpress service. The terminals deliver a high throughput and are pre-commissioned on the network to ensure plug-and-play deployment. This ensures simple, fast installation and servicing, anywhere in the world and with minimal downtime in port.

Inmarsat has ensured these terminals are designed and built to operate in the harsh maritime environment. Rugged construction and extensive testing to meet the highest equipment standards ensure they will continue to operate in the most extreme temperatures and sea conditions.

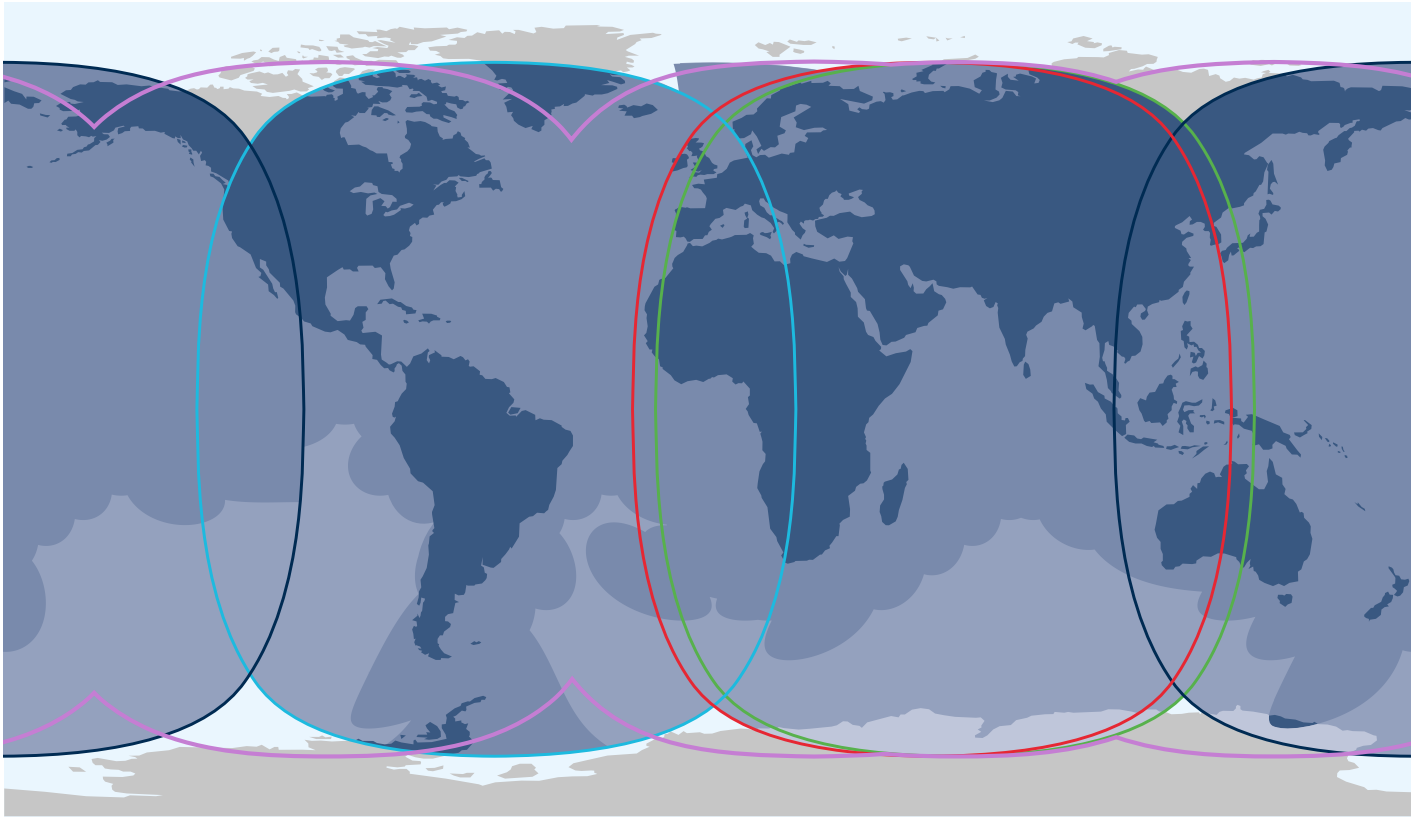
For advice and guidance on which user terminal best suits your needs, please contact your local Inmarsat partner or visit inmarsat.com

Fleet Xpress in operation



Key
NSD - Network Service Device
LES - Land Earth Station
ISEP - Internet Service Enablement Platform

Fleet Xpress coverage



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To thrive in a digitally connected world you need a 24 hour, 365 day reliable connection, wherever you are on the ocean. Fleet Xpress provides that and more, with systems that can elevate on-board operational efficiency to a new level.

The exceptional infrastructure provided by Inmarsat brings a previously unachievable package of benefits to both regional and global shipping communications – all from one provider.

inmarsat.com/gxfx

How to buy

We are represented in more than 60 locations across the globe, our world-class products, services, solutions and 24/7/365 customer support facilities are available directly from Inmarsat, or for the majority of customers, via our worldwide network of independent Value Added Resellers (VARs)

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