



# Reliable Connectivity for Merchant Shipping Operations



## The Rising Demand for Connectivity at Sea

With 90% of world trade utilizing maritime transport, the merchant shipping industry is a critical component of the global supply chain. Shipping organizations are always pursuing new strategies to control costs, improve efficiency, and reduce carbon outputs.

As a result, shipping organizations today have become increasingly reliant on advanced data-driven applications that serve a wide range of functions including voyage planning, conducting remote diagnostics, and delivering on-board connectivity for crew morale and welfare. No matter the requirement, data applications designed for merchant vessels need access to fast, high-quality broadband connectivity. Without reliable connectivity, fleet owners and operators can experience:



**Operational delays caused  
by unreliable shipping schedules**



**Missed opportunities to optimize  
routes for reducing journey time  
and fuel consumption**



**Poor crew morale when  
disconnected for long  
periods of time**

## Transforming Maritime Operations with IntelSat FlexMaritime

FlexMaritime is specifically engineered to improve merchant shipping operations worldwide. With a global network of high-throughput satellites (HTS), FlexMaritime delivers connectivity even along densely congested shipping routes. Multiple layers of wide-beam satellite capacity and a cutting-edge fiber network further reinforce the HTS coverage for increased resiliency and redundancy. FlexMaritime's award-winning, high-performance design provides consistent, "always available" service anywhere in the world and on the sea.

### Operational Efficiencies

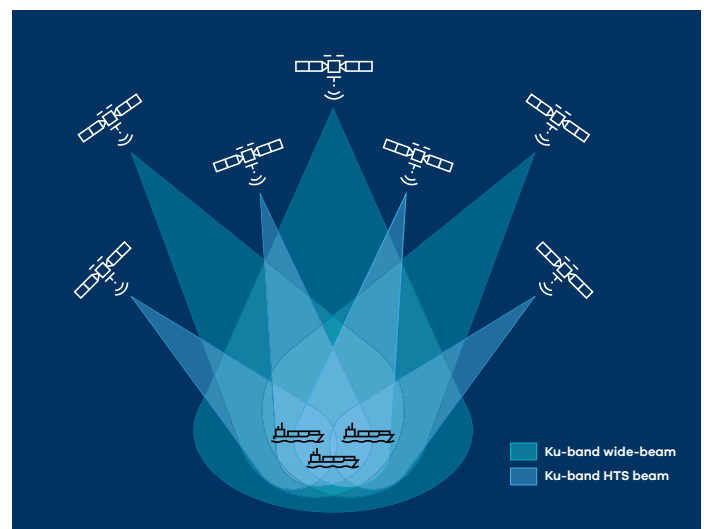
Integrate global fleets with on-shore operations for 24-hour location tracking, remote monitoring and diagnostics of ship performance, software upgrades, and management of cargo deliveries.

Improve voyage planning and optimize fuel consumption by monitoring ever-changing weather conditions and traffic patterns.

### Crew Communications

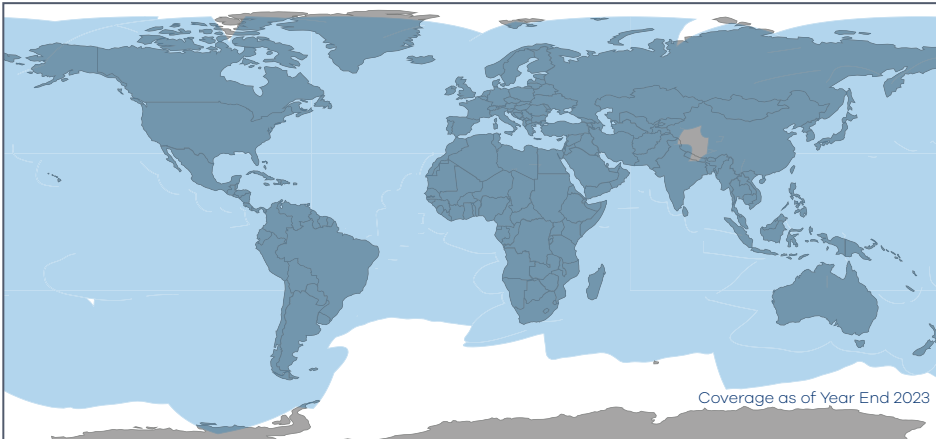
Boost crew morale by delivering tools for enhanced personal communications, health and entertainment options.

Utilize high-speed connectivity for document transmission and applications such as telemedicine, video conferencing, streaming, and more.



# FlexMaritime Solution Spotlight

From sea to shore, FlexMaritime keeps you securely connected.



Coverage as of Year End 2023

**With over 80 qualified antennas, FlexMaritime has the largest portfolio of antenna classes to meet unique performance, size, weight, and installation requirements.**



**Ideal for merchant ships, the 37cm, 45cm, 60cm+, and 1m+ high-power antennas provide the following data speeds:**

- 37cm and 45cm: Up to 6x2 Mbps
- 60cm+: Up to 10x3 Mbps
- 1m+: Up to 20x3 Mbps

Multi-layered, global coverage is provided by 18 satellites and 220+ beams, optimized for HTS with wide beams for reinforced resiliency and reliability.

Currently in development, Intelsat's next-generation, cloud-native, software-defined satellites and network features dynamic beam switching which allows us to reconfigure coverage on the fly and deliver cost-effective bandwidth precisely when and where needed. With ongoing investments in our next-generation, software-defined network, Intelsat can confidently support bandwidth demands as they evolve.

Over the next few years, Intelsat will continue evolve its network through partnerships with low earth orbit (LEO) providers and launch of its own medium earth orbit (MEO) constellation.

## Offered Exclusively Through Our Solutions Partners

Offered through our carefully selected solutions partners, FlexMaritime can be integrated with their innovative value-added services and world-class support to create the perfect solution for their customers.

## Powered by Intelsat: The Captains of Connectivity

As the foundational architects of satellite technology, designing global network solutions that fit specific user needs is in our DNA. Let's talk about your connectivity needs today: [intelsat.com/FlexMaritime](https://intelsat.com/FlexMaritime)

## The FlexMaritime Difference:



### Reliable

Redundant, high-throughput global capacity designed for maritime trade routes



### Open Architecture

Design built for flexibility and growth



### Secure

Communications protection held to the highest security standards



**High-quality**  
Streaming for crew applications