Intelsat FlexMaritime

From sea to shore, we'll keep you securely connected

Enabling a New Generation of Maritime Services to Meet the Demands for Connectivity at Sea

Operational efficiency, personal communications and connected devices are driving the demand for connectivity at sea. Optimization of commercial operations requires the integration of global fleets with shore-based operations, the ability to meet regulatory requirements and delivering tools to enhance crew and passenger loyalty. Connectivity to a vessel, throughout the vessel's entire journey and while in port are essential for ship owners and operators.

Enhance Your Business Operations

FlexMaritime delivers high-speed, reliable connectivity that powers business at sea. Always-on, global connectivity anywhere enables ship owners or operators to:

- 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
- Comply with expanding regulatory requirements and crew training
- 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, web browsing, streaming, social media, and more
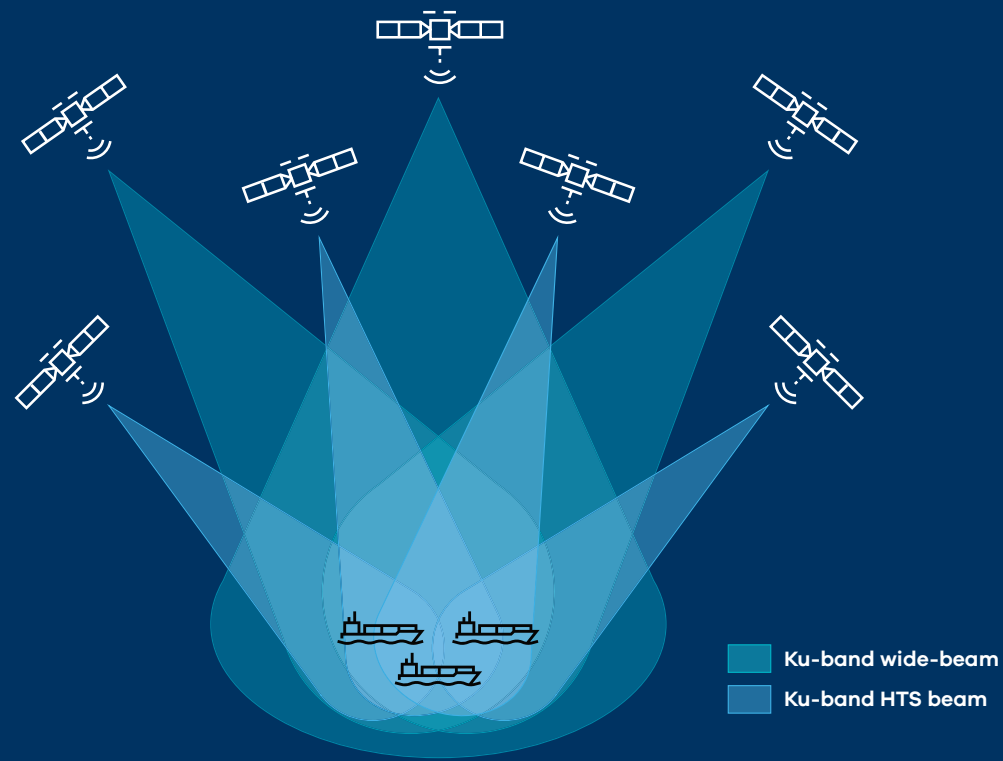
As more applications and data become available, shipping companies can analyze the information in real-time to identify efficiencies, drive optimal performance, and leverage their assets on a continuous basis.

Global Connectivity Designed Specifically for Maritime

Intelsat's award-winning FlexMaritime service is specifically designed for global commercial maritime trade routes. FlexMaritime seamlessly integrates:

- Layers of Ku-band high-throughput satellite (HTS) spot beams deliver bandwidth density to high traffic routes
- Layers of wide-beam capacity from Intelsat's global satellite fleet reinforce the HTS coverage for added resiliency and redundancy
- The extensive, fully integrated IntelsatOne teleport and terrestrial infrastructure bring the entire network together into a unified ecosystem

Ku-band wide-beam
Ku-band HTS beam

The FlexMaritime Ku-band Multi-layered HTS Network

FlexMaritime provides a cost-effective, highly reliable, and enterprise-grade solution for ship operators, without sacrificing speed and throughput – even in the most densely populated shipping lanes. Across the globe, FlexMaritime offers multiple layers of satellites, reducing or even eliminating service outages caused by vessel structures or land-based obstructions. Ship operators can also maintain connectivity, even when routes and bandwidth demand shift unexpectedly.

Guaranteed Availability and Coverage

Due to the size, breadth and redundancy of the Intelsat fleet, ship owners and operators can be assured they will continue to receive connectivity. New satellites, capabilities and coverage are continually added to the FlexMaritime network. This provides ship owners and operators with a uniquely flexible platform that can serve their needs for years to come.
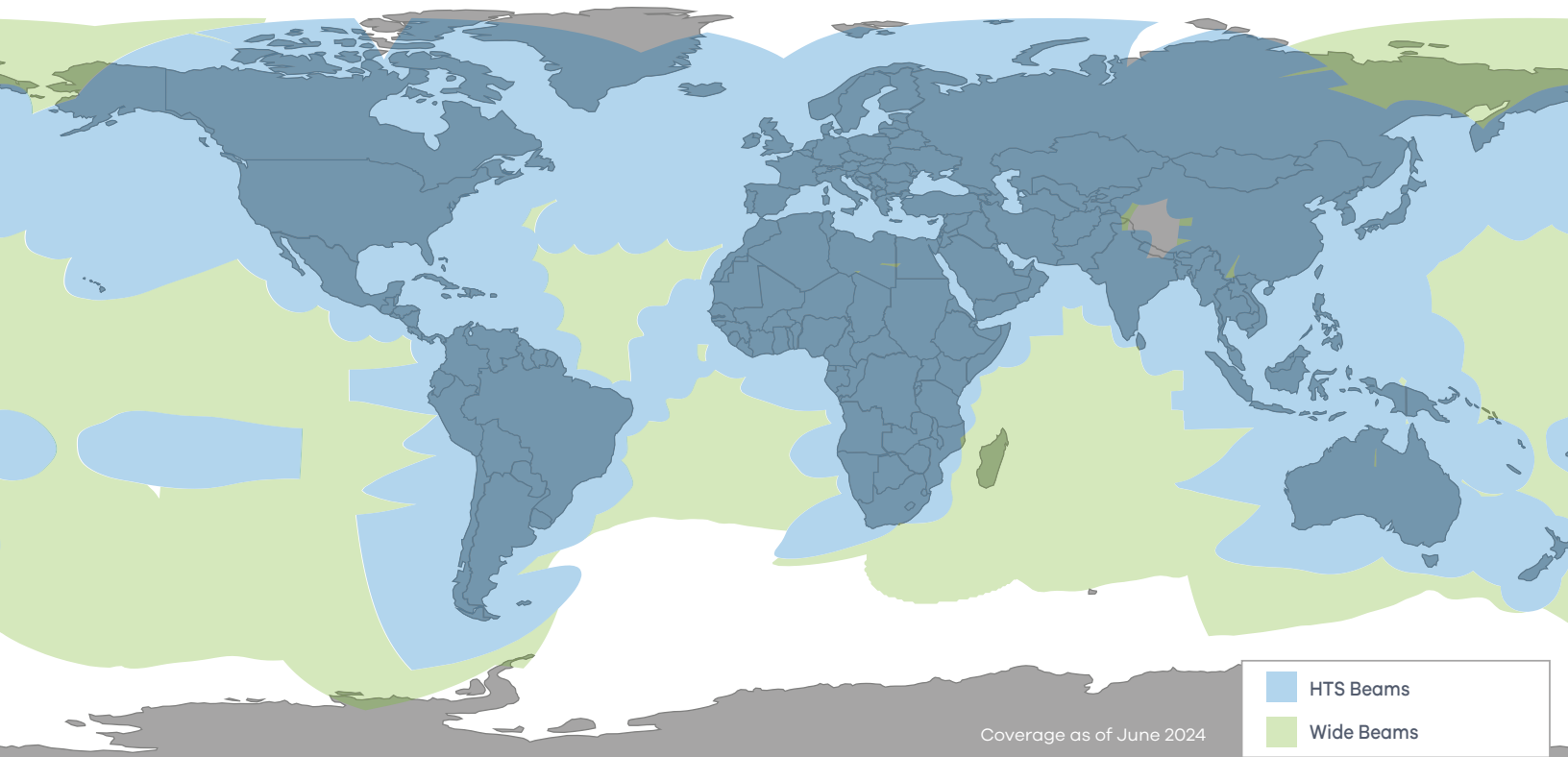
Scalable

As requirements change over time, solutions that are compatible with existing and future technologies are critical for scalability. Intelsat has tested and qualified over 80 Ku-band antennas for FlexMaritime, so new customers can readily be brought onto the network. Additionally, with FlexMaritime's open architecture, ship owners and operators can take advantage of new technology advancements and satellite innovations as they become available without the need to retrofit or replace current technology.

Security You Can Trust

As ship owners and operators continue to add more business-critical applications to their vessels, these applications require the highest level of information protection and cybersecurity. Intelsat remains at the forefront of cybersecurity and is the only commercial satellite operator with an independent third-party Service Organization Control 3 (SOC 3) accreditation. This ensures our global satellite and terrestrial network is protected against unauthorized access, use or modification.

Intelsat FlexMaritime Coverage

Coverage as of June 2024

HTS Beams
Wide Beams

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.

About Intelsat

Intelsat's global team of professionals is focused on providing seamless and secure, satellite-based communications to government, NGO and commercial customers through the company's next-generation worldwide network and managed services. Bridging the digital divide by operating one of the world's largest and most advanced satellite fleet and connectivity infrastructures, Intelsat enables people and their tools to speak over oceans, see across continents and listen through the skies to communicate, cooperate and coexist. Since its founding six decades ago, the company has been synonymous with satellite-industry "firsts" in service to its customers and the planet. Leaning on a legacy of innovation and focusing on addressing a new generation of challenges Intelsat team members now have their sights on the "next firsts" in space as they disrupt the field and lead in the digital transformation of the industry.

Contact Sales

Africa
+27 11-535-4700
sales.africa@intelsat.com

Asia-Pacific
+65 6572-5450
sales.asiapacific@intelsat.com

Europe
+44 20-3036-6700
sales.europe@intelsat.com

Latin America & Caribbean
+1 305-445-5536
sales.lac@intelsat.com

Middle East & North Africa
+971 4-390-1515
sales.mena@intelsat.com

North America
+1 703-559-6800
sales.na@intelsat.com

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intelsat.com/maritime