MOBILITY

In-Flight Connectivity

Connectivity Designed to a Higher Standard

Intelsat's Ku-band Ecosystem is Designed for Maximum Performance and Customer Choice

Ubiquity. Global, high-throughput Ku-band satellite network leveraging more than 50 satellites in-orbit today. New software defined satellites (SDS) to be added will ensure customer needs are meet well into the future.

Density. With 80% of commercial flight hours covering less than 20% of the world's geography, a multi-layered network is critical in high-traffic areas. Multiple layers of high-throughput spot beams provide bandwidth density in areas that matter most to airlines. These high-performing beams are complemented by layers of wide beam coverage for additional capacity when needed. The Intelsat network design enables cost-efficient solutions for Aero customers without having to sacrifice speed and throughput to each plane.

Resiliency. Due to the size, breadth and redundancy of Intelsat's fleet, even in the event of a failure or security breach, we can continue to deliver connectivity to our customers. Relying on a single satellite to cover an entire region carries significant risks for both service providers and end-users.

Built-in Modularity. Technology, spectrum and orbit agnostic, Intelsat's open architecture offers our customers the ability to choose the technology that best fits their network. This is contrary to consumer broadband systems which typically only offer proprietary fixed technology.

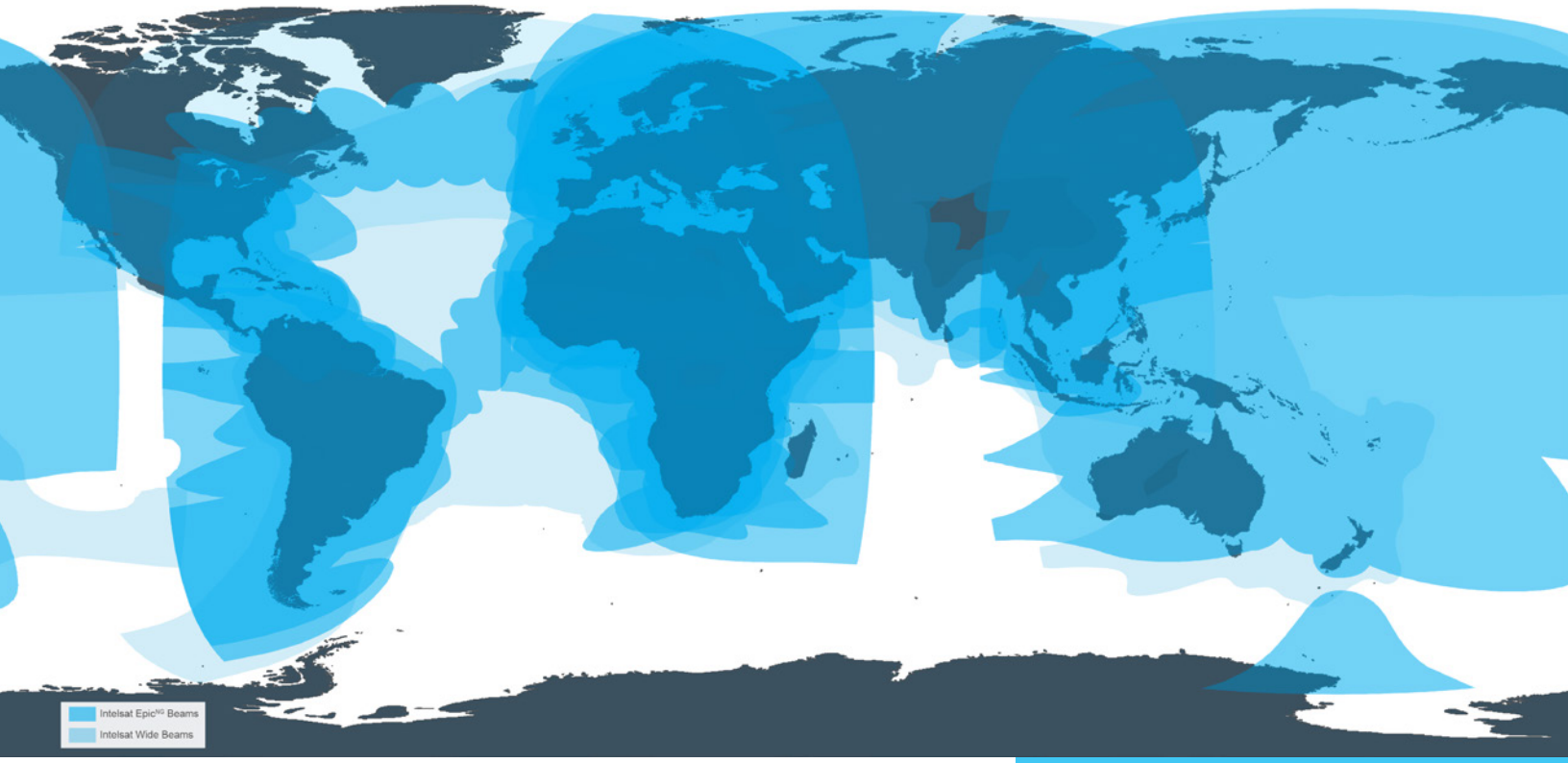
Customer Benefits

- **Global Network, Dedicated Services.** Service providers use dedicated capacity to meet their specific end-users' needs. Ensures consistent and controlled throughput to plane.
- **Consistent Network Performance.** Regardless of how many planes are flying through the network, passengers experience reliable connectivity across all applications.
- **Mitigates Technological Risk.** Customers choose what's best for them instead of being forced into pre-defined business models. Open architecture and the Ku-band ecosystem provides access to more satellites and hardware options which equates to innovative solutions that are cost-effective and scalable for future needs.
- **Optimized Performance & Efficiency.** Intelsat's award-winning Intelsat Epic^{NG} HTS constellation delivers maximum throughput per unit of spectrum. Epic^{NG} 2.0 SDS will feature yet another layer of high-performance connectivity on demand.

INTELSAT
Envision. Connect. Transform.

Intelsat's Global Mobility Platform

Layers of Capacity Provide Consistent Service and Scalability



About Intelsat

Intelsat operates the world's first Globalized Network, delivering high-quality, cost-effective video and broadband services anywhere in the world. Intelsat's Globalized Network combines the world's largest satellite backbone with terrestrial infrastructure, managed services and an open, interoperable architecture to enable customers to drive revenue and reach through a new generation of network services.

Thousands of organizations serving billions of people worldwide rely on Intelsat to provide ubiquitous broadband connectivity, multi-format video broadcasting, secure satellite communications and seamless mobility services. The end result is an entirely new world, one that allows us to envision the impossible, connect without boundaries and transform the ways in which we live.

SALES CONTACTS

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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