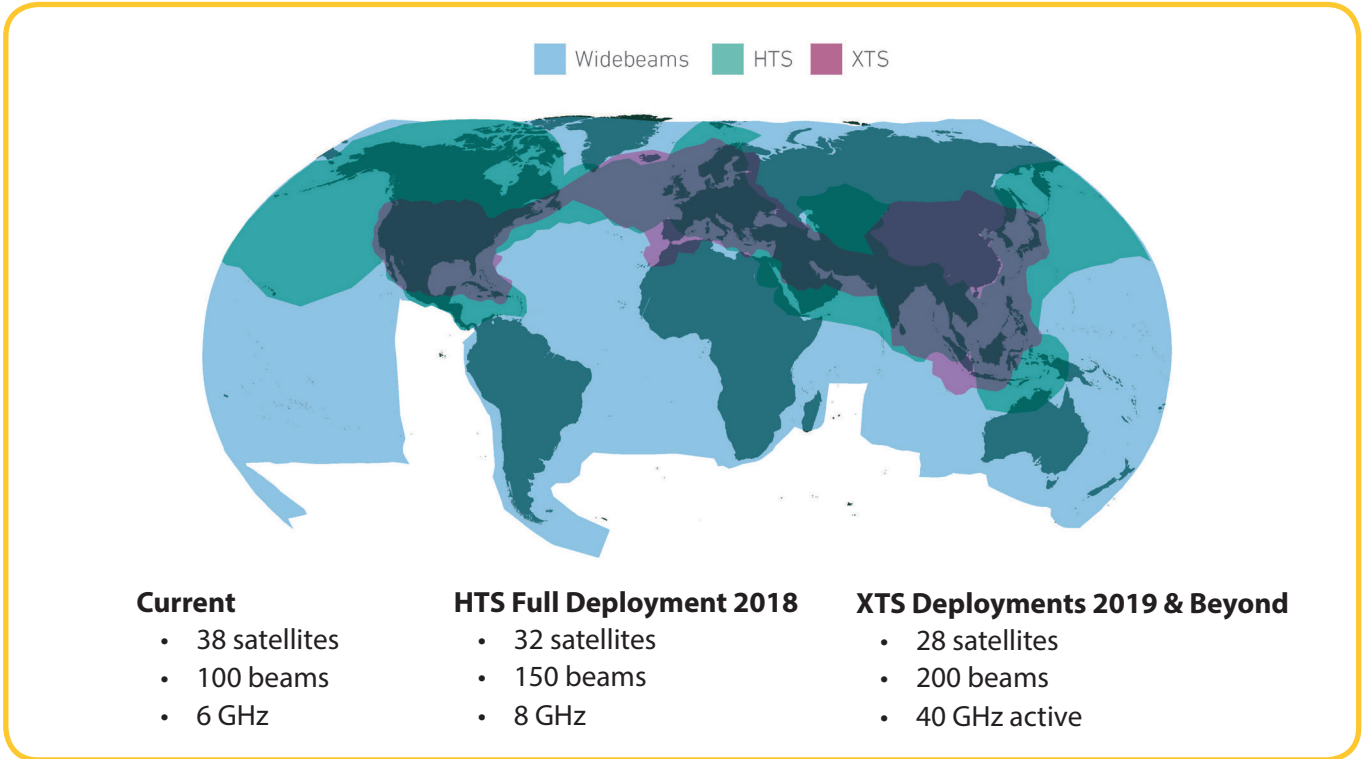


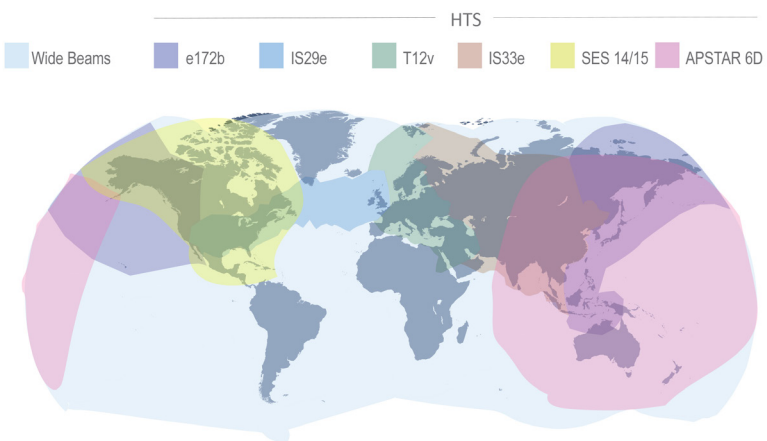
BOUNDLESS BROADBAND ON THE WORLD'S MOST CAPABLE NETWORK

Whether you are looking for a network solution that provides faster data rates or strategic coverage for your business-critical operations, Panasonic's global communications network offers a whole new approach to connectivity – designed to support customer applications and traffic now and in the future.

High-Availability Ku-band Network Designed for Mobility Markets



The custom-designed network offers near 100% uptime with a minimum of 10Mbps to support the connectivity needs of customers across the energy, mining and maritime markets. Covering more than 98% of all maritime traffic routes, the network includes high-throughput satellite capacity that will expand to wrap around the globe.



Largest, most comprehensive global broadband connectivity service available in the world.

HTS implementation in progress:

- IS-29, IS-33, T-12V, SES-15, E172B in service
- SES-14 - Launched and in orbit raising
- APSTAR-6D - 2019 launch and in-service

Coverage maps are for illustrative purposes only and do not indicate exact coverage. Capacity and service subject to availability.



Multiple Layers of Resiliency for the Most Secure Network

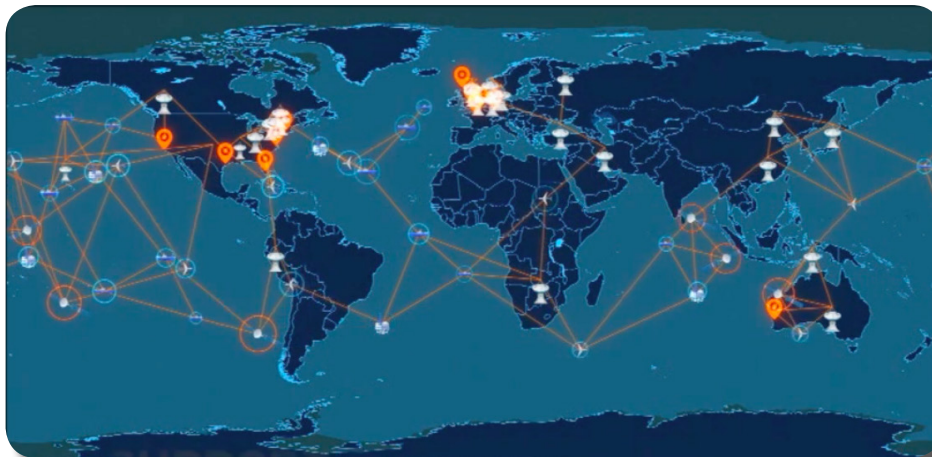
For customers operating in remote and harsh environments within highly competitive market segments, protecting data grows in importance each day. This is especially true within the resources sectors, as cloud-based networks, applications and data become increasingly attractive targets. Keeping security standards up-to-date helps customer networks remain operational. At ITC Global, we have a deep understanding and appreciation for the criticality of customer operations, and we take our network security design and development process seriously.

Security at Service Inception Through the Entire Lifecycle

- Purpose-built networks designed to ensure highly resilient and protected, reliable connectivity
- Defense-in-Depth methodology using multiple layers of security to mitigate impact of compromise
- Daily security activities including threat monitoring and security auditing
- Security policies to respond immediately to potential vulnerabilities and stay ahead of attacker trends
- Intrusion detection and prevention for increased vigilance in identifying changes in network behavior

Ground Infrastructure Scaled to Support Complex HTS Network Requirements

- Strategic points of presence across our global terrestrial network
- Expansive ground infrastructure supports multi-spot beam HTS and XTS
- Flexible and scalable MPLS core backbone designed to support customer applications and traffic
- Delivering high-speed, high-capacity internet, VOD services, and more



Complete Connectivity Designed by Panasonic for Mobility Markets

Coverage & Flexibility: Boundless broadband on the world's largest HTS Ku-band network

Reliable Link Availability: Proven rain-zone performance

Market-Focused Coverage: Concentrated high-power beams with 10x + user throughput

Hardware-Agnostic Solution: Proven Ku-band equipment with no conversion costs

Redundancy & Network Diversity: Multiple overlapping satellites and beams in each region

CONNECTING CUSTOMERS TO AN UNRIVALED NETWORK

With Panasonic, customers gain access to new, high-performance technologies supported by the most comprehensive Ku-band network in the world, and delivered by global maritime leader, AST.

