

Telesat LEO

City-quality connectivity everywhere



TELESATTM

Telesat LEO

A ubiquitous transport alternative that delivers wireline quality and wireless flexibility – at disruptive economics.



Telesat LEO incorporates next-generation technology including:

Data Processing in Space

Full digital modulation, demodulation, and data routing occurs in space for processing, resulting in higher capacity and flexibility

Phased Array Antennas

Sophisticated antennas on each satellite with hopping beams can dynamically focus capacity precisely where users require it

Optical Inter-satellite Links

Data can travel at the speed of light from one satellite to another, resulting in a fully interconnected global mesh network that allows customers to access the Telesat LEO network no matter where they are

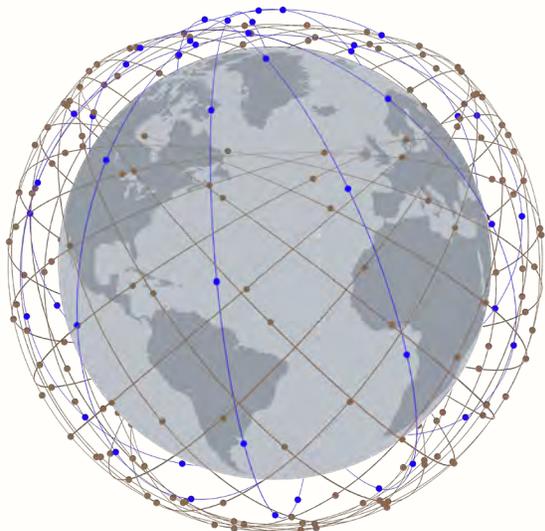
Hybrid orbits

Satellites in an industry-first combination of polar and inclined orbits, resulting in complete global coverage, including polar areas, with higher capacity where most of the world's population lives

Telesat has developed a highly innovative global network composed of ~300 state-of-the-art Low Earth Orbit (LEO) satellites seamlessly integrated with on-ground data networks.



Backhaul connectivity re-imagined



Unlock Revenue Pools

Increase revenue by selling more services and lower churn rates with enhanced network performance. Bring in new connectivity to unserved areas or expand coverage of 4G/5G networks



High Performance with Low Latency

20 times more responsive than today's satellites for better voice, video streaming and security that matches fiber connectivity



Always On

Highly resilient network with multiple interconnected satellites and ground nodes without any single point of failure ensures your customers always stay connected



Quick Service Deployment

Compliant with Metro Ethernet Forum (MEF) standards for seamless plug and play integration provides the ability to rapidly set up connectivity anywhere, anytime

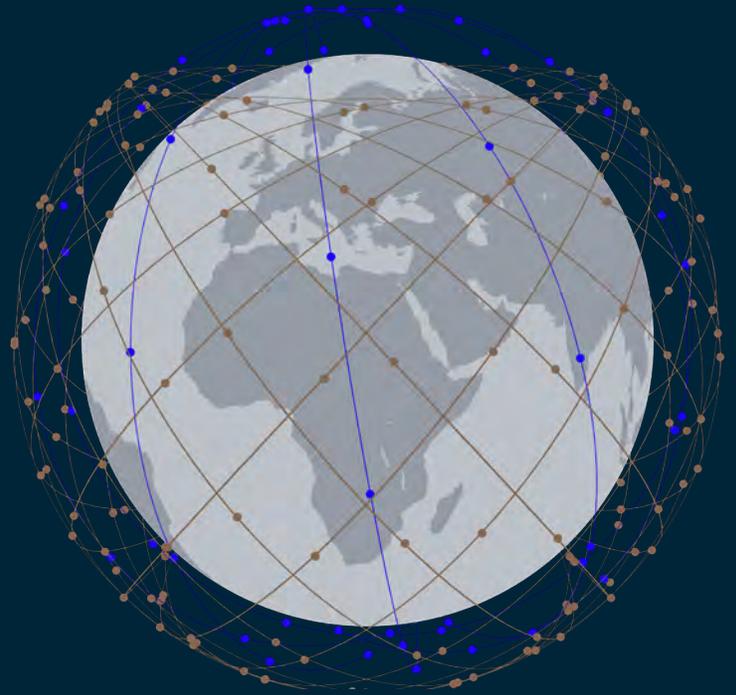


Global, Scalable

Every point on Earth is covered, with Gigabits per second speeds to a remote and multiple Tbps of capacity in the network to deliver enterprise-grade connectivity

Telesat has conducted several testing campaigns with leading mobile network operators, including the world's first 5G testing over LEO. Learn more at <https://www.telesat.com>

Telesat LEO services, launching in 2022, will enable operators to universally deliver a high quality network that will improve customer experience and drive revenue growth.



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