Launched January 2018
Satellite available for tests and demonstrations
Please contact Telesat for more information
Telesat LEO

Advanced low earth orbit (LEO) design results in superior performance and value

Service Starting in 2022
Telesat is ideally positioned to deliver the world’s most advanced and capable LEO constellation given our deep technical expertise, strong record of innovation, priority Ka-band spectrum rights, and industry-leading customer service and support

Key Technologies

**Onboard Processing Payload:** Allows traffic to be efficiently routed throughout the constellation, improving link performance and increasing capacity compared to traditional bent-pipe payloads

**Direct Radiating Array Antenna:** Independent agile beam steering and beamforming capabilities ensure that capacity is instantly available where it’s needed

**Inter-satellite Links:** Enables a satellite with no gateway in view to connect with other satellites allowing true global coverage

**Constellation Network Operating System:** Controls the entire system to ensure optimal capacity and coverage to user terminals

Affordable fiber-quality connectivity everywhere

High Throughput
- Gbps links, Tbps sellable capacity

Flexible & Focused
- 100s of Gbps in concentrated area

Global connectivity
- ‘Anywhere Anytime’

Secure & Resilient
- Interference resistance, Inter-satellite links

Low Latency
- 30-50 msec

Low Cost
- Transformational Economics

Plug & Play
- MEF standards based interfaces

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