

TELESAT **LIGHTSPEED™**

**“Connecting you to a world
of possibilities”**

TELESAT™



Telesat: Leveraging 50+ year history of innovation to build world's first enterprise grade LEO satellite network

Global, trusted satcom provider with 50+ years of innovation

INNOVATIVE

- ✓ **World's first** domestic communications satellite
- ✓ **World's first** commercial Ku-band DTH satellite
- ✓ **World's first** consumer Ka-band broadband satellite
- ✓ **World's first** Ka-band LEO satellite
- ✓ **World's first** 5G backhaul link from LEO

GLOBAL

- ✓ **HQ - Ottawa, Canada**
- ✓ **Subsidiary: Rio de Janeiro**
Offices: Toronto, DC Area (US), Singapore, London, UK



PUBLICLY TRADED

- ✓ NASDAQ and TSX: TSAT

TELESAT HISTORY IN BRAZIL

- ✓ Office in Rio de Janeiro
- ✓ Teleport in Belo Horizonte
- ✓ 24x7 Control center
- ✓ 4 Geo Satellite licensed by Anatel
- ✓ Landing rights for Telesat Lightspeed constellation
- ✓ Consultant for Brasilsat program and Visiona (SGDC)

Telesat GEO

- ▲ **13 active GEO satellites**
- ▲ **~US\$520M** revenue 2023
- ▲ **~US\$1B** GEO contracted backlog 2023 end
- ▲ **Global customer base**

ENTERPRISE



BROADCAST



CONSULTING



Sample customers only

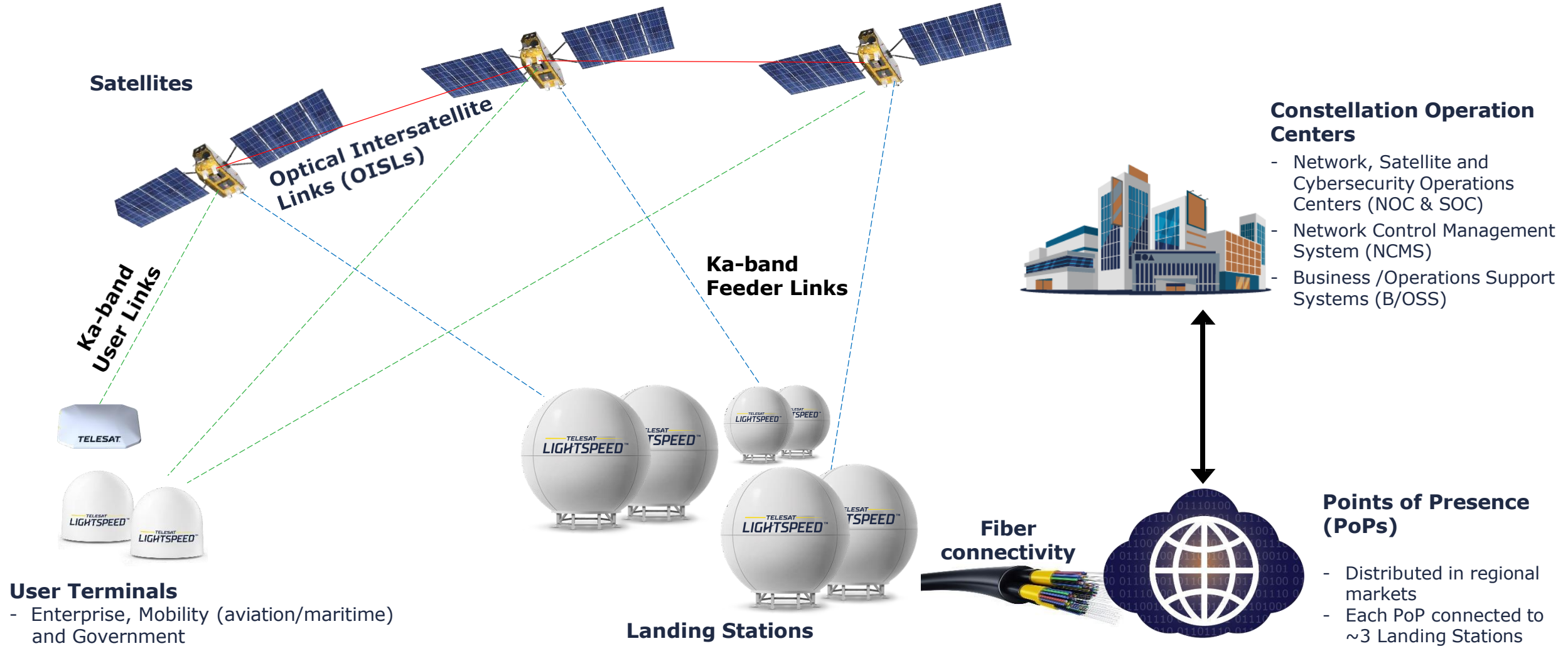
Telesat LEO

- ▲ **Next-generation satellite connectivity for Enterprises & Governments**
 - Guaranteed performance (SLAs)
 - Secure & Resilient
 - Public/Private network support
 - Standard/Custom user terminals
 - Global telco industry standards compliant
- ▲ **~US\$320B** global addressable market in 2032
- ▲ **~US\$3.8B network financing** (fully financed)
- ▲ **~US\$0.6B** LEO contracted backlog 2023 end
- ▲ **Global service starting in 2027**

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Telesat Lightspeed system overview



Enterprise-class features and benefits

Supports AnyG

- Ideal for rural & remote 4G/LTE
- Provides a bridge to 5G

Concentrated capacity

- Multiple Tbps of global capacity
- Ability to concentrate multi-Gbps capacity for hotspot areas

Global coverage

- 198 LEO satellites providing pole-to-pole coverage; scaling to align with demand
- Global terrestrial network

Meaningful connectivity

- <50 ms latency for real-time quality of experience
- Mbps to multi Gbps speeds to individual sites

Secure by design

- NIST, CNSSP-12, and IA-PRE compatible
- Highly secure system via dynamic nature of network

Resilient architecture

- Seamless landing station switch-over capabilities
- Ensures SLA-based uninterrupted service

Enterprise-class service

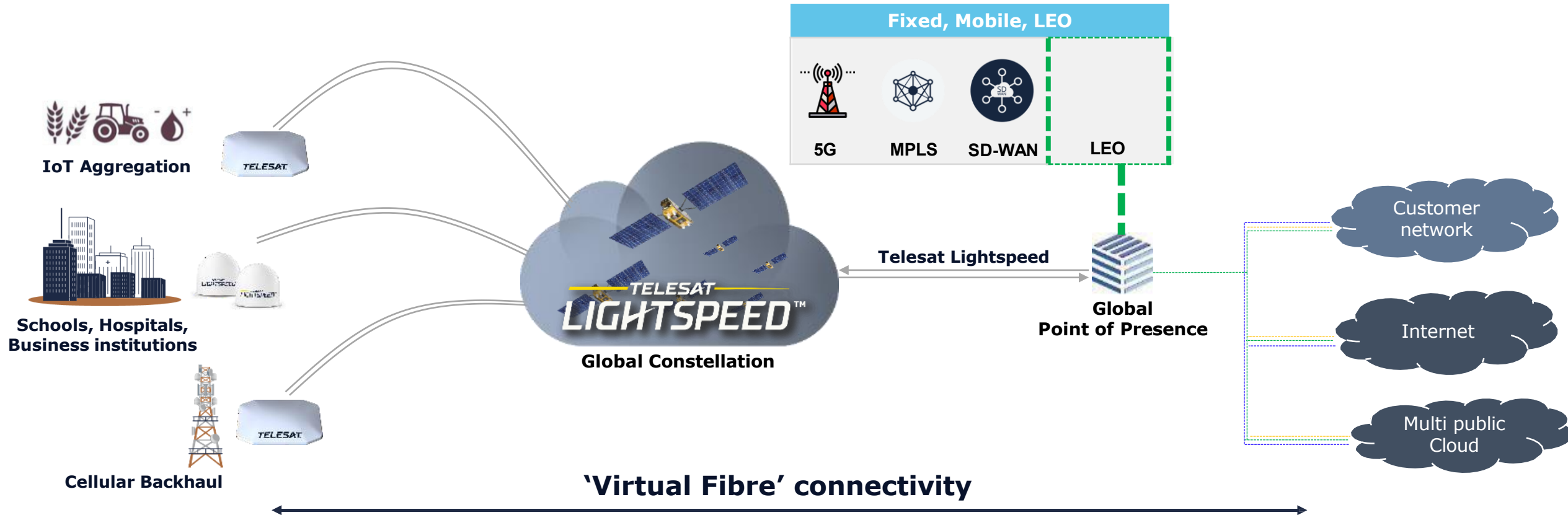
- MEF 3.0 Carrier Ethernet standard
- Highly Reliable and Enterprise ready user terminals

Managed service

- Customer Programmable VNO
- Dynamic, enhanced, orchestrated Layer 2 and above services

**Enterprise-ready and future-proof so you can prepare today
for tomorrow's digital world and beyond**

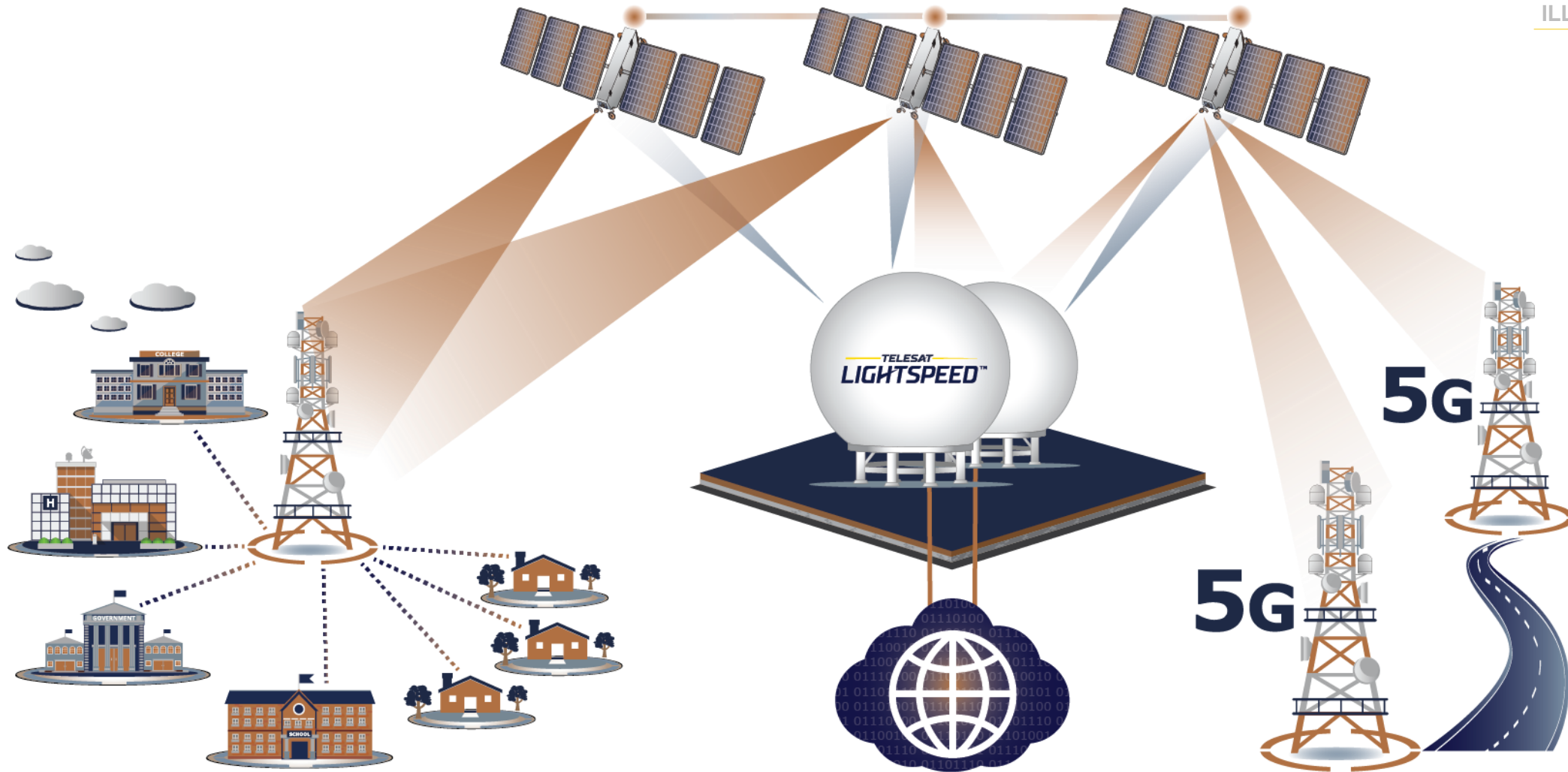
Telesat Lightspeed: enterprise-class services via low-earth-orbit (LEO) constellation for B2B use cases globally across land, water and air



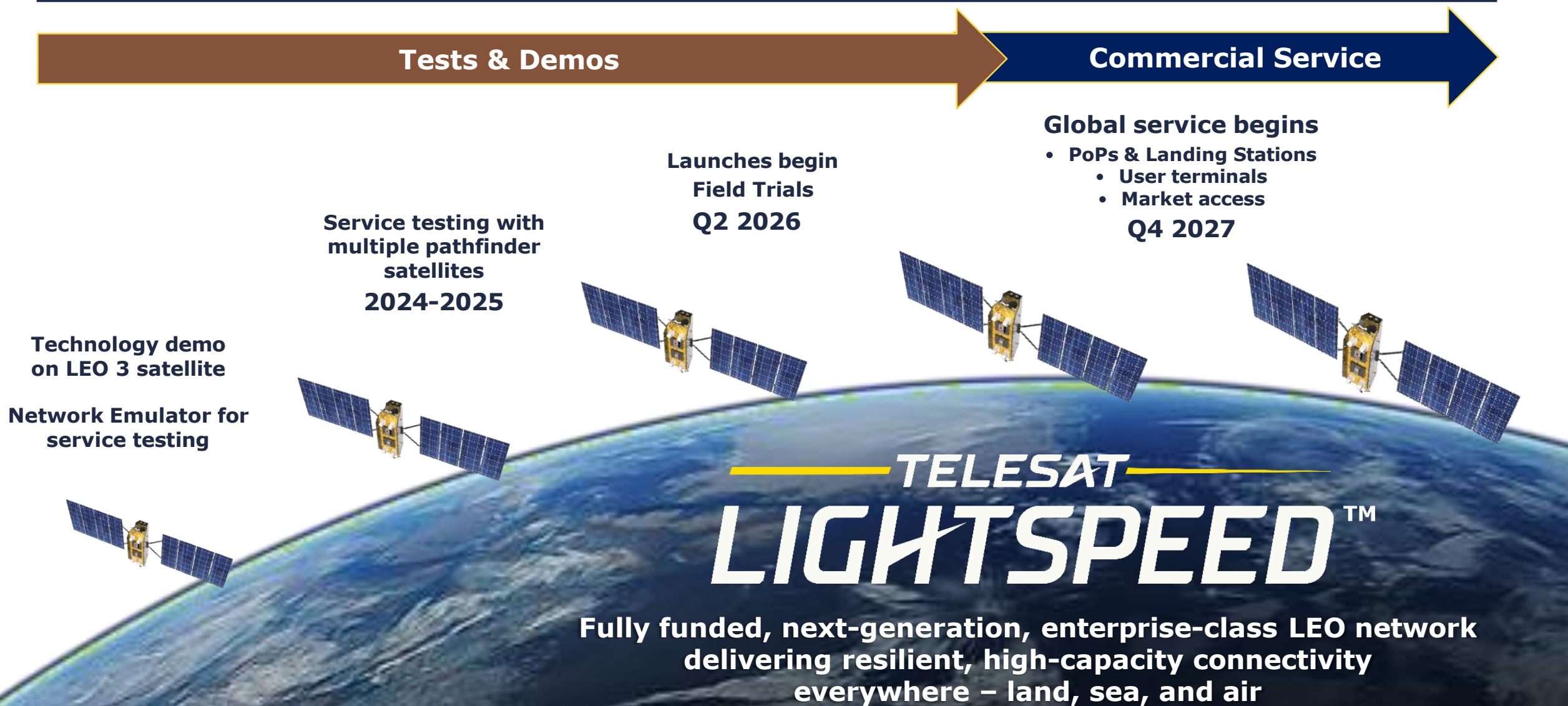
Customer's business systems will easily interface with Telesat Lightspeed per standards-based API's or via Telesat Lightspeed self-serve customer portal

Telesat Lightspeed the ideal solution for universal coverage and rural digital divide initiatives

ILLUSTRATIVE



Telesat Lightspeed timeline

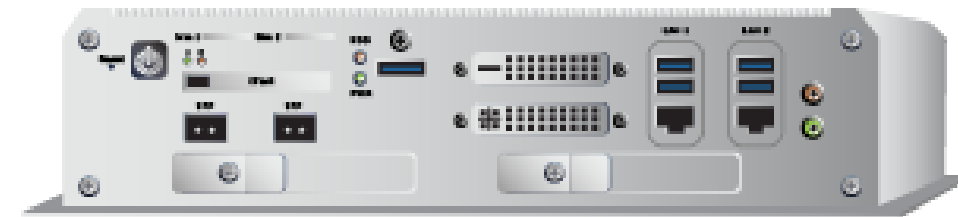


Telesat Lightspeed Network Emulator

- ▲ Physical test platform to emulate Lightspeed network and offered Carrier Ethernet service ahead of Lightspeed launch
- ▲ Plug and play platform with common Ethernet network interfaces to easily deploy within customer network
- ▲ Pre-loaded with Lightspeed system configuration, such as satellite handovers, connectivity via intersatellite links as applicable, and connections between UT to PoP via Landing Stations in geographical region of interest
- ▲ Graphical User Interface for Platform configurations, Services and Performances displays

Benefits:

- ▲ Ability for customers to test and validate applications and compare Telesat Lightspeed performance vs other network alternatives
- ▲ Assist with customer network planning decisions





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