

TELESAT

# LIGHTSPEED™

Affordable high-speed  
Internet for everyone,  
everywhere

TELESAT™



## 2.2 Million Canadian Households & 48.8% of the World's Population

do not have access to affordable, reliable, high-speed Internet.



### The digital divide is real:

Unserved and underserved Internet connectivity prevents populations from participating in and benefitting from today's digital economy. This includes opportunities for education, job advancement and access to health information, which are essential to the prosperity and empowerment of communities.

## Telesat's mission is to bridge the digital divide and achieve universal connectivity for all

Knowing that high-speed Internet is essential to our daily lives, what are the barriers we face?



### Long Distance Connectivity

Affordable and easily deployable links are needed to connect underserved communities to the Internet. Connectivity is deployed today via fibre, microwave or satellite.



### Fibre Challenges

While fibre makes sense in densely populated communities, the cost to lay fibre is extremely expensive and sometimes impossible to install due to challenging terraines.



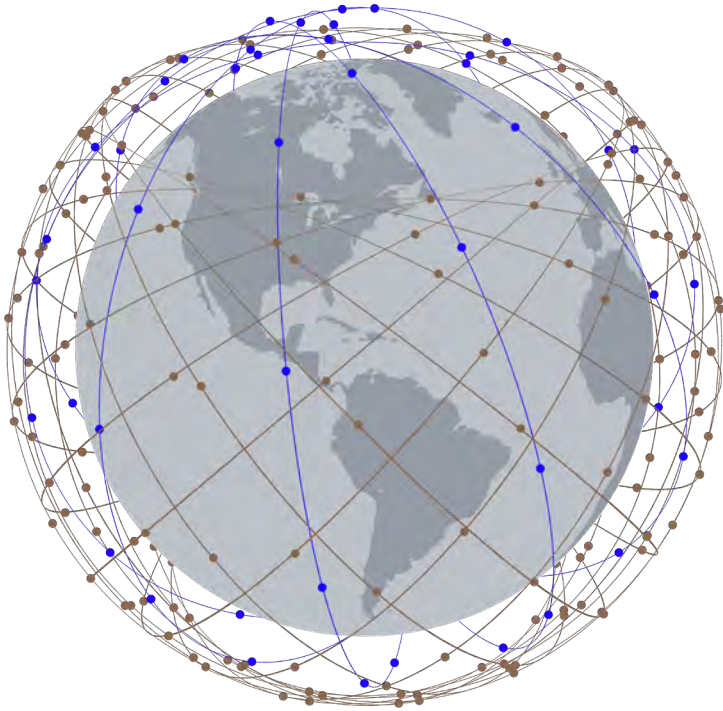
### Geostationary Earth Orbits (GEO)

GEO satellites are 36,000 km away from Earth. With the satellite so far away, users experience lag, slow speeds, time outs, and poor quality.



Leveraging our 50-years of technical expertise and leadership as a global satellite operator, we are redefining space-based connectivity with our innovative Lightspeed constellation. Telesat is uniquely positioned to deliver this transformative, disruptive service to the world.

# The Lightspeed Network



Telesat is developing a highly innovative global network of 298 state-of-the-art Low Earth Orbit (LEO) satellites that will deliver affordable, high-speed Internet to every part of Canada and the world, making universal connectivity a reality.



## Affordable

Access doesn't just mean the ability to connect, it means the ability to afford to connect.



## High Speed

Lightspeed will deliver a fibre equivalent experience with speeds surpassing the CRTC objective of 50/10 Mbps.



## Reliable

With two-hundred and ninety-eight satellites orbiting the Earth, you will always be connected.



Creating Opportunities



Eliminating the Digital Divide



Empowering Education



Expanding Healthcare



Universal Connectivity

# Telesat and the Government of Canada Partner to Deliver Affordable, Universal High-Speed Internet across Canada

Telesat and the Government of Canada have announced a partnership to ensure access to affordable high-speed Internet connectivity across rural and remote areas of Canada with the Telesat Lightspeed satellite constellation.

This partnership is a perfect example of an innovative and thoughtful public policy approach to bridge the digital divide that addresses the most pressing policy objectives: Affordability, high-speeds, and reliable service.

*“Lightspeed is the most ambitious global broadband infrastructure program ever conceived and will revolutionize how Canadians, and everyone else in the world for that matter, experience and leverage the Internet.*

*Lightspeed will help achieve Canada’s goal of universal connectivity, ensuring that Canadians, regardless of where they work or live, have affordable, high quality, and high-speed Internet.”*

- Dan Goldberg, Telesat’s President and CEO



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