



**WSIS**  
**FORUM 2022**

Starting on 15 March  
Final week 30 May - 3 June

# Quality Connectivity Everywhere with

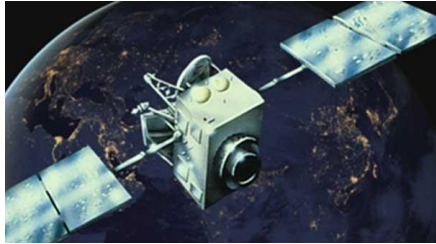
**TELESAT**  
**LIGHTSPEED™**

**Lim Zhi Guo (ZG)**  
Market Access and Spectrum Policy  
20 April 2022

# Telesat: A Leading Global Satellite Operator

## Over 50 years of innovation

● 1978



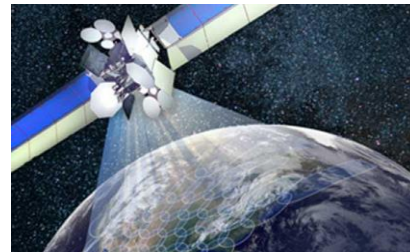
Anik B: **1<sup>st</sup>** Ku- and Direct-to-Home TV communications satellite

● 1996



Telstar 11: **1<sup>st</sup>** Internet access for ISPs over satellite

● 2004



Anik F2: **1<sup>st</sup>** consumer Ka-band broadband satellite

● 2018



LEO 1: **1<sup>st</sup>** Ka-band LEO operational satellite

● 2019



LEO 1: **1<sup>st</sup>** ever 5G backhaul via LEO

● 2020



LEO 1: **1<sup>st</sup>** live inflight interview over LEO

## Global diverse customer base

**BROADCAST**  
51% of revenue



**ENTERPRISE**  
47% of revenue



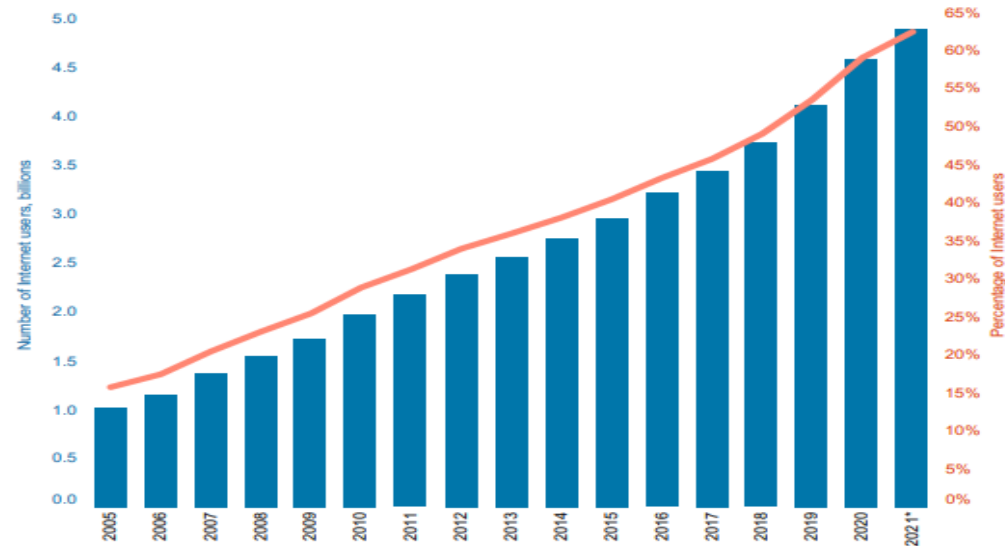
**CONSULTING**  
2% of revenue



# New Era in Non-terrestrial Connectivity

- Accelerated internet uptake

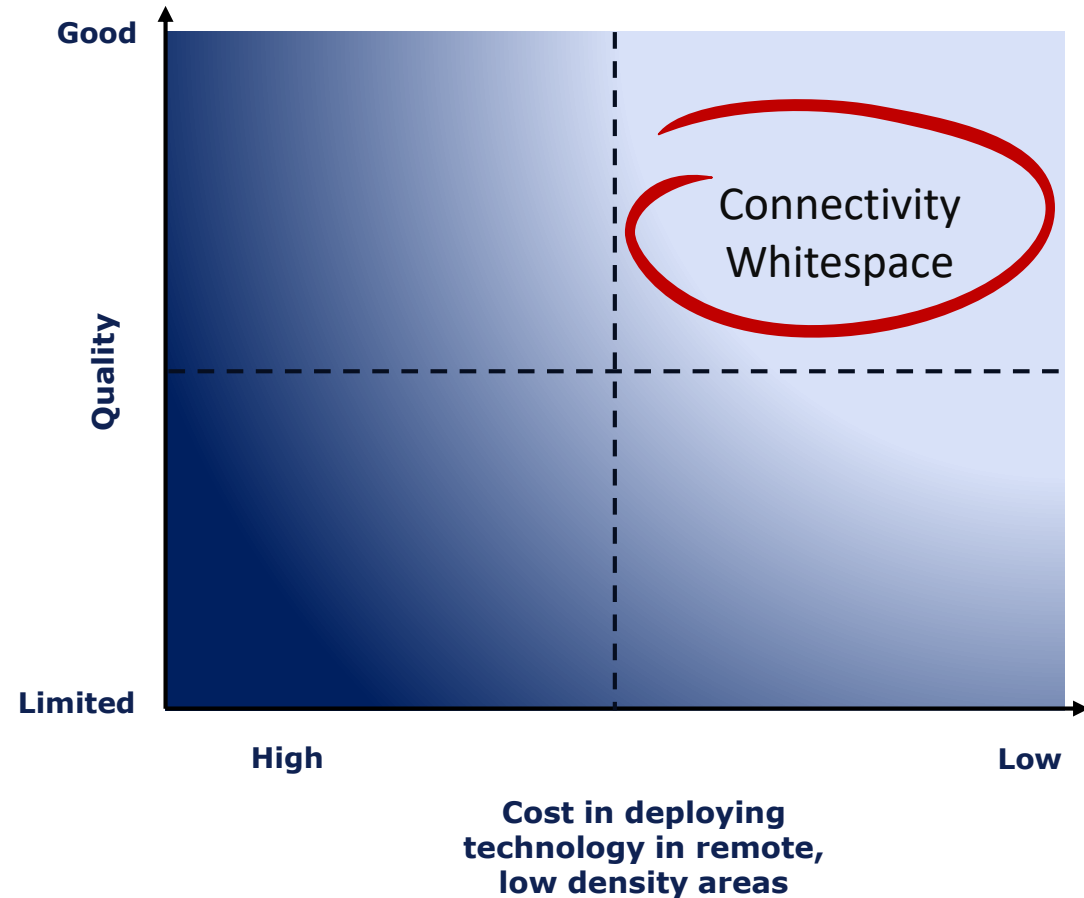
Individuals using the Internet



Percentage of individuals using the Internet by location, 2020



- Optimal solution needed



# Telesat Lightspeed Features



**Truly global**



**Superior experience**



**Cost-effective**



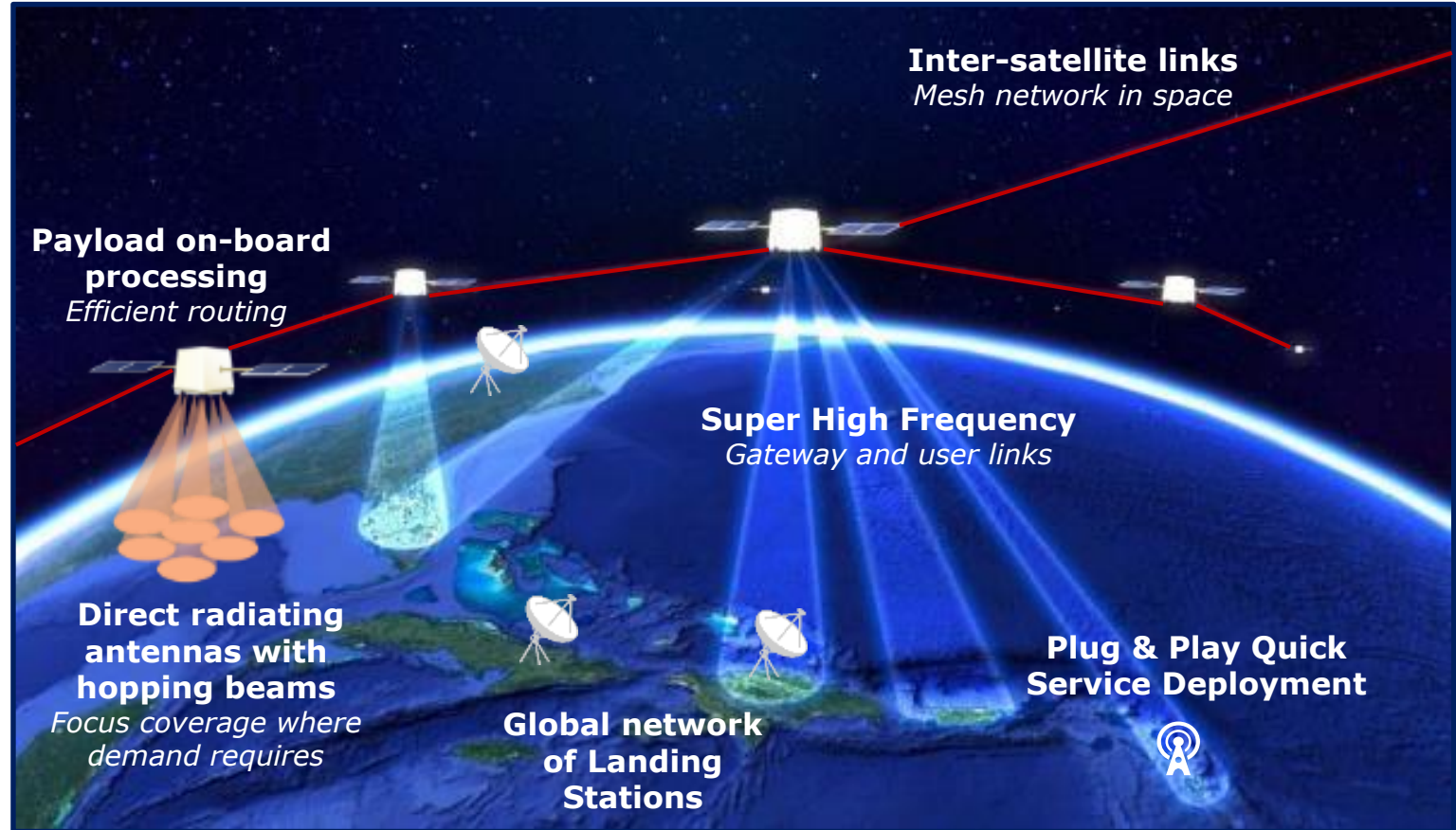
**Flexible service**



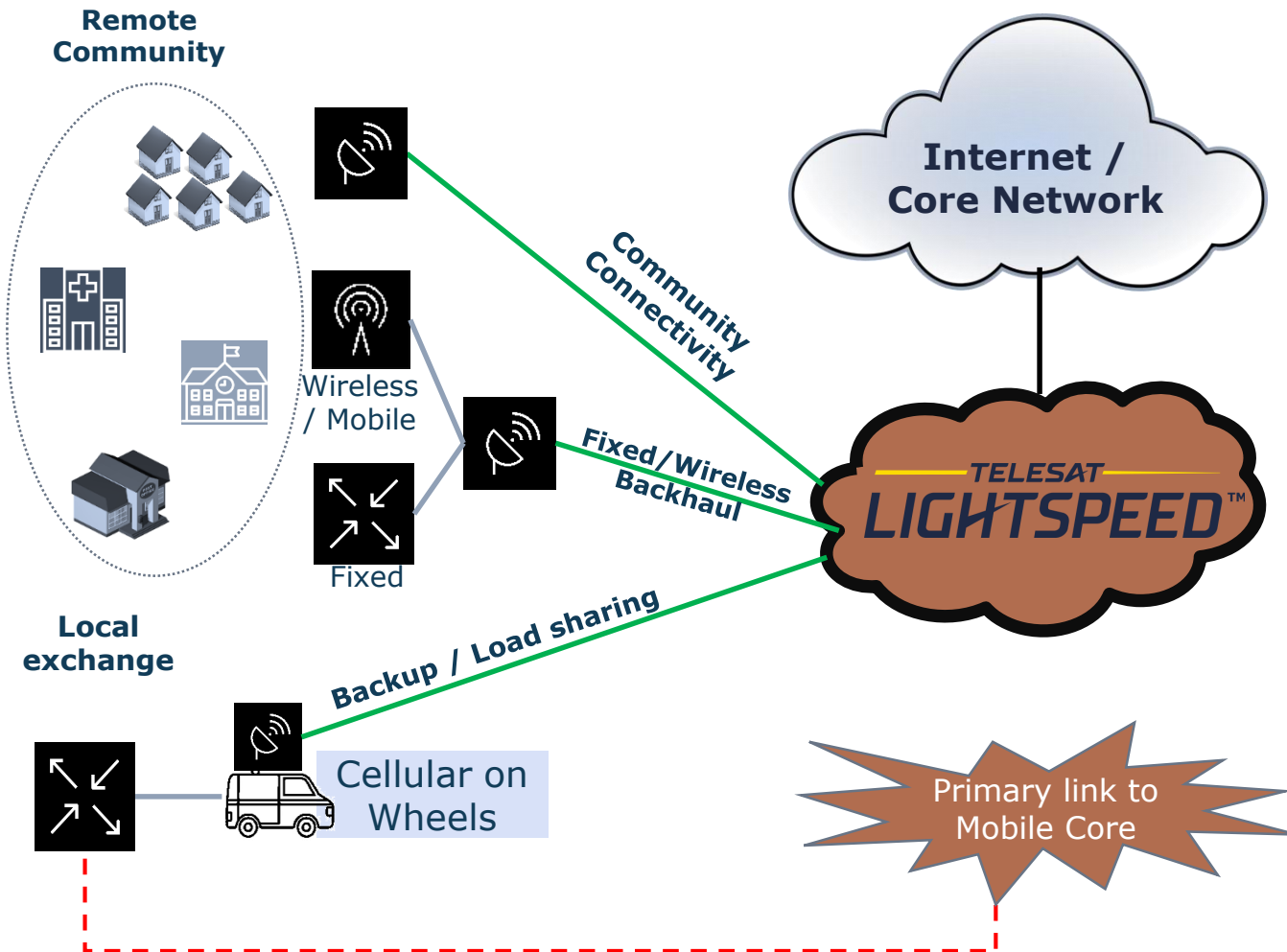
**Supports AnyG**



**Enterprise-class**



# Complementing Terrestrial Services for Universal Connectivity



- ❖ Telesat Lightspeed **complements terrestrial services as part of a larger telecommunications Ecosystem** in different communities
- ❖ Satellite is an important part of **Key enablers for universal connectivity** alongside terrestrial services
  - ✓ Rapid rollout of broadband across globally
  - ✓ Competitive backhauling solutions for remote area
  - ✓ Quick deployable backup and load-sharing solution

# Affordable Universal Broadband across Canada with Telesat Lightspeed

- ~\$1 Billion initiative by the Government of Canada and Government of Ontario to provide Internet in rural and Northern areas of Canada

## Backhaul on Telesat Lightspeed



### Affordable Access

Cost-effective for ubiquitous coverage, more affordable than fibre and wireless alternatives for remote communities



### 50/10 Mbps Unlimited

High speed, true broadband experience



### 5G and LTE Services

Reliable, affordable and rapidly deployed wireless services

## Eliminating the digital divide



### Empowering Communities

Providing underserved communities with fibre quality broadband



### Expanding Healthcare

Real-time access to medical specialists, electronic records and management systems



### Creating Opportunities

With state-of-the-art online learning, access to government services, and the global economy

# Thank you

**TELESAT**  
**LIGHTSPEED™**

Lim Zhi Guo (ZG)