

Connect smarter

Globalstar 



The path to
**complementary
convergence**

/ Delivering on the promise of NTN NB-IoT

Complementary **convergence** supports the **satellite-telco** momentum, offering increased **coverage** and revenues.





Globalstar overview

- Globalstar is a next-generation telecommunications infrastructure provider and technology disruptor
- Significant asset value with satellite network, long-term contracts and licensed spectrum assets
- Wireless technology which dramatically increases system capacity and ease of deployment
- High-growth, commercial IoT solutions
- Multifaceted business model driven by **four pillars of value**



Four pillars of value

Our value creation strategy to drive value is divided into four pillars, the foundation for a telecom infrastructure company offering satellite and terrestrial connectivity around the globe.

Wholesale satellite
capacity

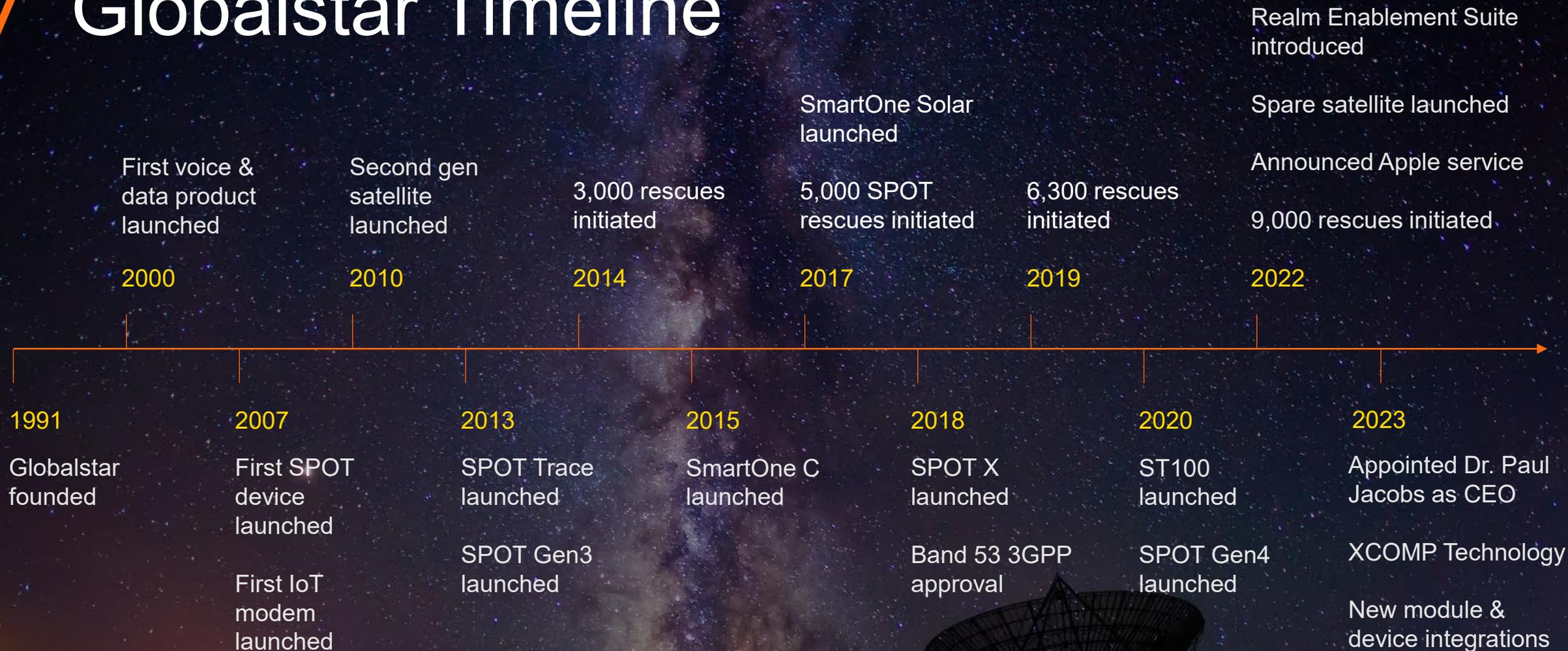
Terrestrial
wireless

Commercial IoT

Legacy services



Globalstar Timeline



Globalstar gateways and offices



Globalstar's LEO satellite system

Mid-band spectrum for mobility

Available system capacity in retained 15% to support IoT growth

Allows for small, lower cost and energy efficient terminals

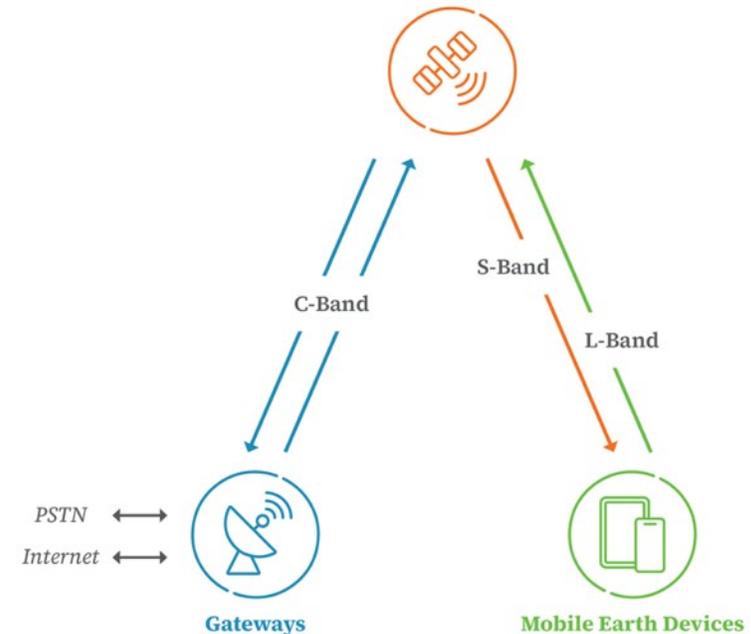
Bent pipe architecture allows for on ground upgrades

Satellite coverage across ~99% of world's population

Low-latency and high-quality transmissions

2022 satellite procurement agreement with MDA to ensure continuity of service

Our network in action



Licensed MSS Spectrum

L-Band:
8.725 MHz ⁽¹⁾

S-Band:
16.5 MHz

C-Band:
339 MHz

⁽¹⁾ 0.95 MHz shared with Iridium Satellite Communications



Licensed spectrum

Satellite

S-Band

16.5 MHz

L-Band

8.725 MHz

C-Band

339 MHz

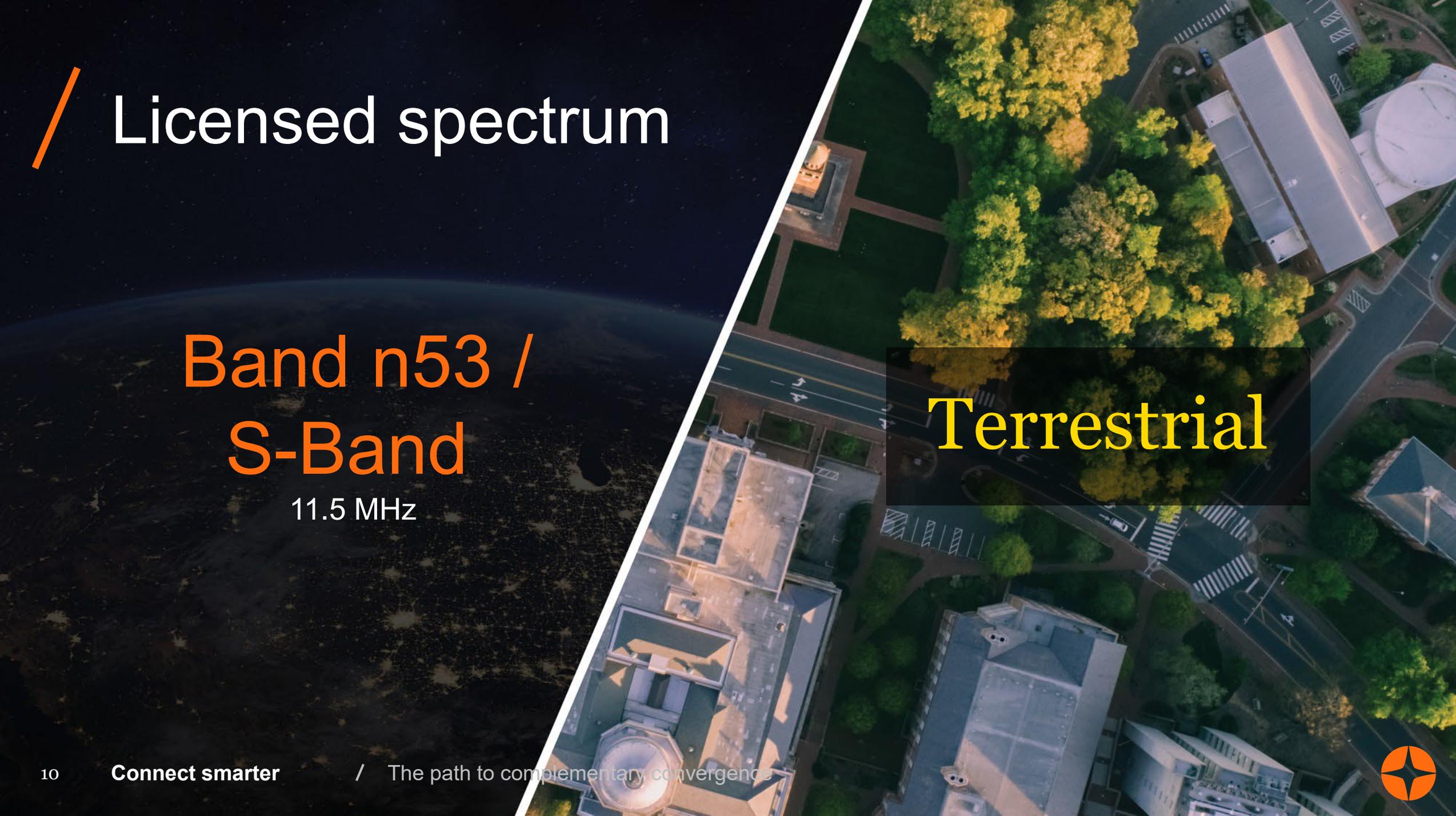


Terrestrial spectrum

Band n53 is our uniform and increasingly “borderless” spectrum resource with multiple commercial applications.

Our partners — cable companies, legacy or upstart wireless carriers, system integrators, utilities and others — will be able to benefit through a growing device ecosystem.





Licensed spectrum

Band n53 /
S-Band

11.5 MHz

Terrestrial





Global footprint



Pre-NTN: making satellite phones from cellular



CDMA > Globalstar



LTE > OneWeb



GSM > Iridium

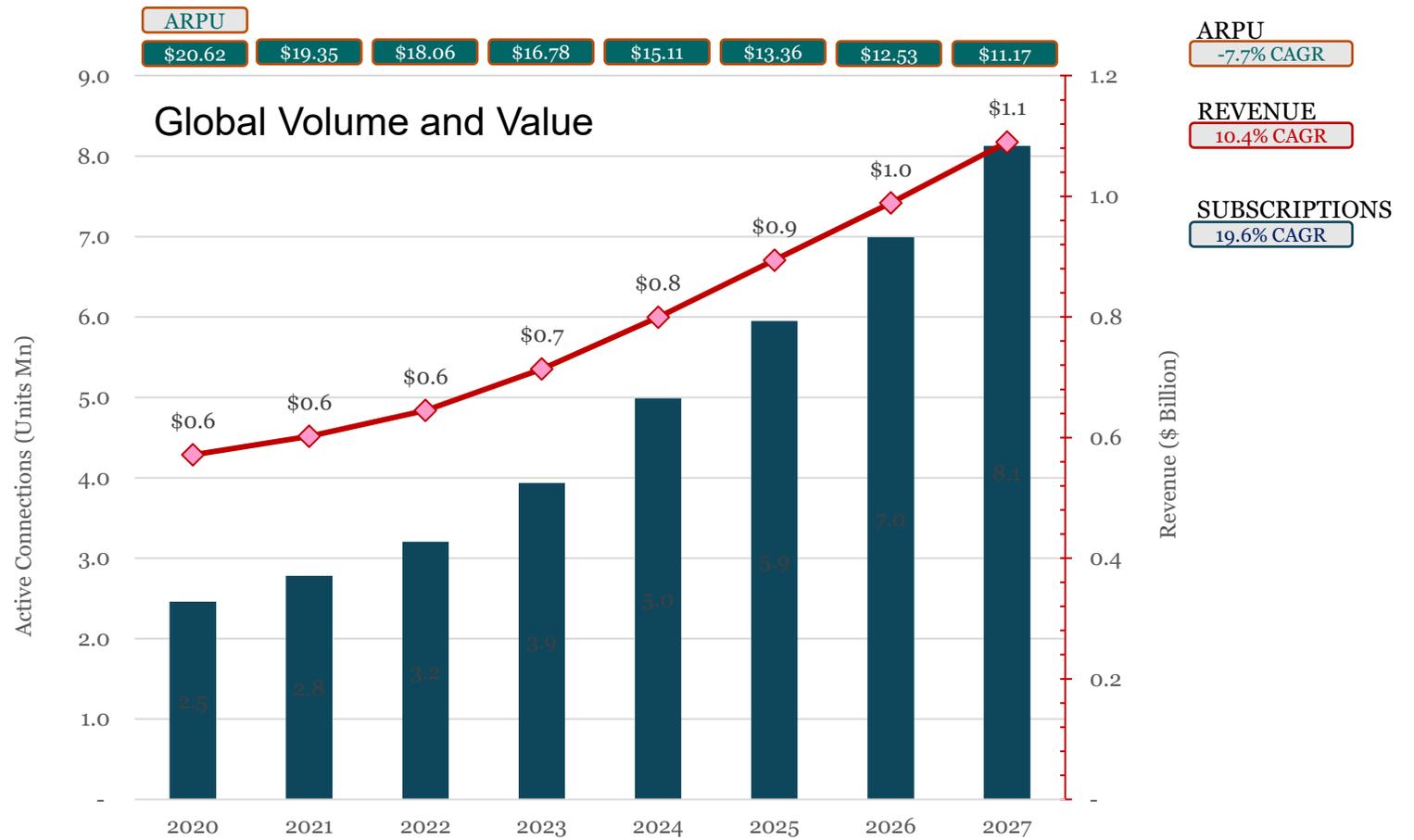


Satellite IoT market opportunity



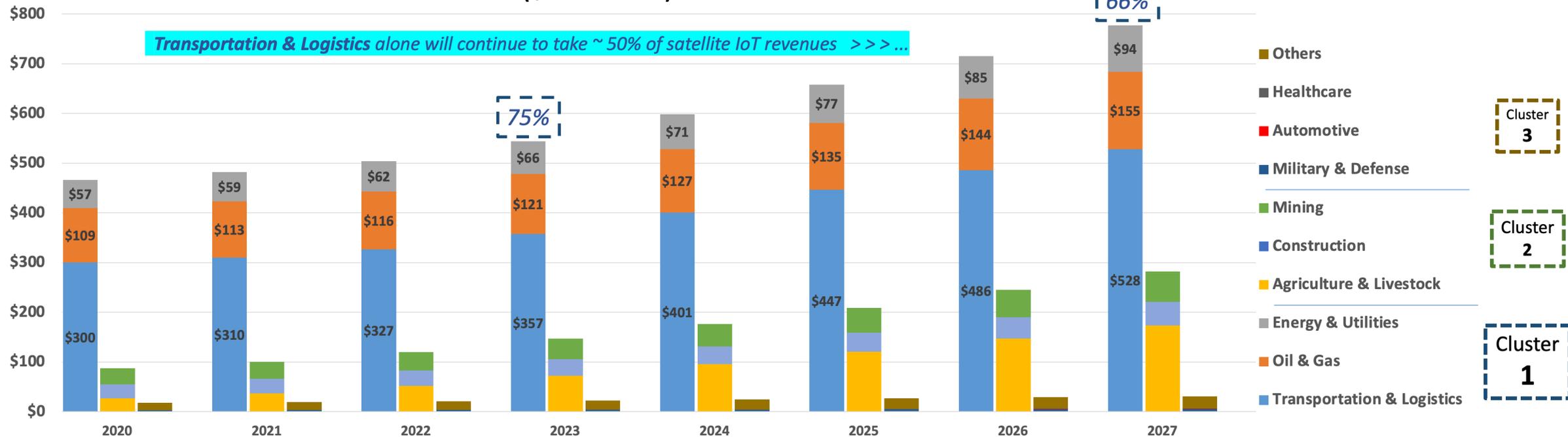
Global satellite IoT growth

- Industry subscription revenues set to exceed \$1 billion
- Global satellite IoT connections set to grow over 250% to 8.1 million in 2027



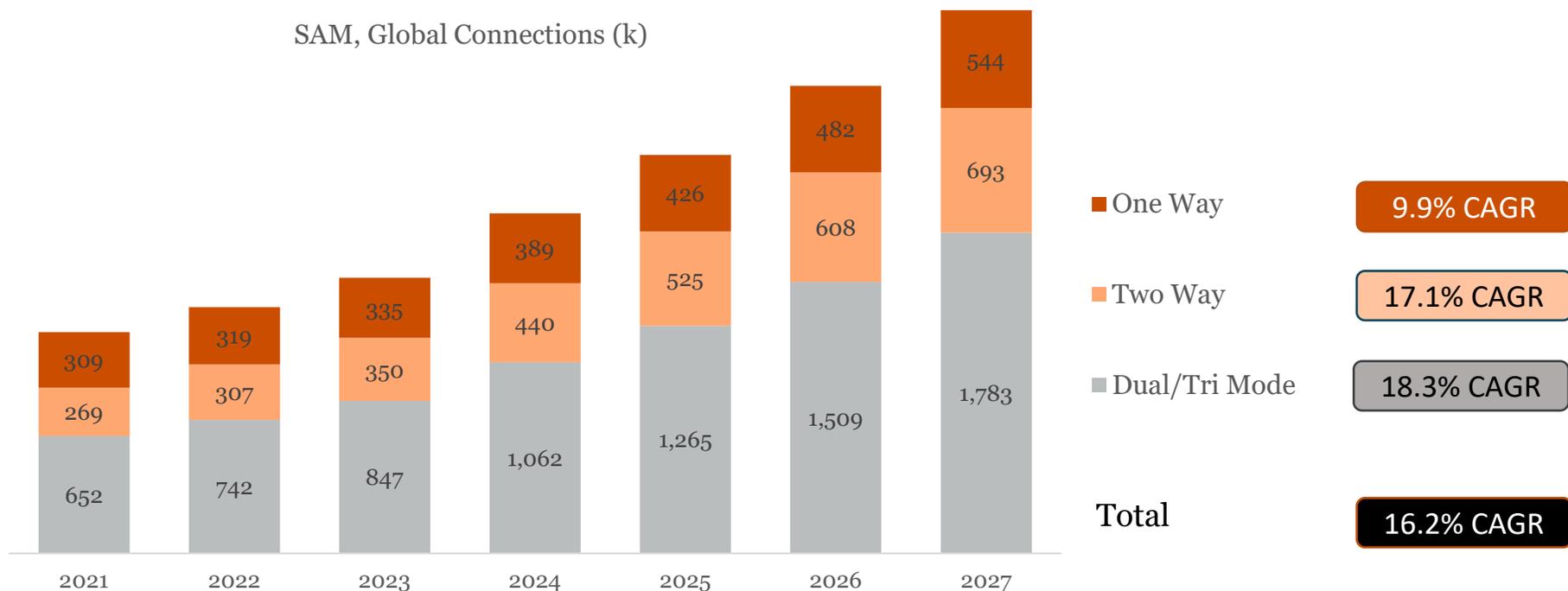
Satellite subscription revenue through '27

Global Verticals Clusters: Revenue (\$ Millions)



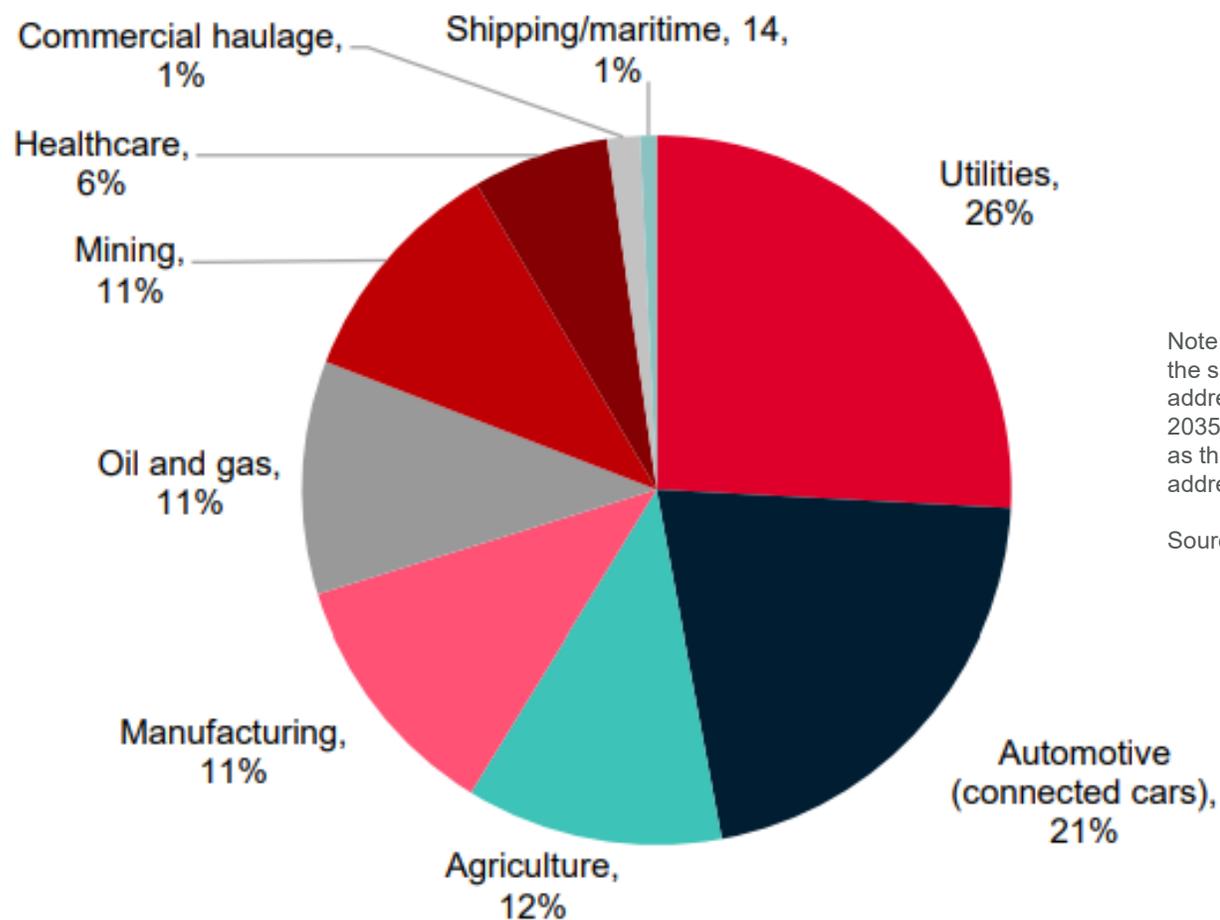
Global satellite IoT connections SAM

SAM3 Two-Way CAGR of 17% vs One Way at 10%



Direct-to-device satellite NTN-IoT market

1.9 billion devices
across nine sectors
are addressable
for D2D satellite
by 2035



Note: Percentages represent the share of total IoT devices addressable for D2D satellite in 2035. Note this is not the same as the share of total addressable revenue

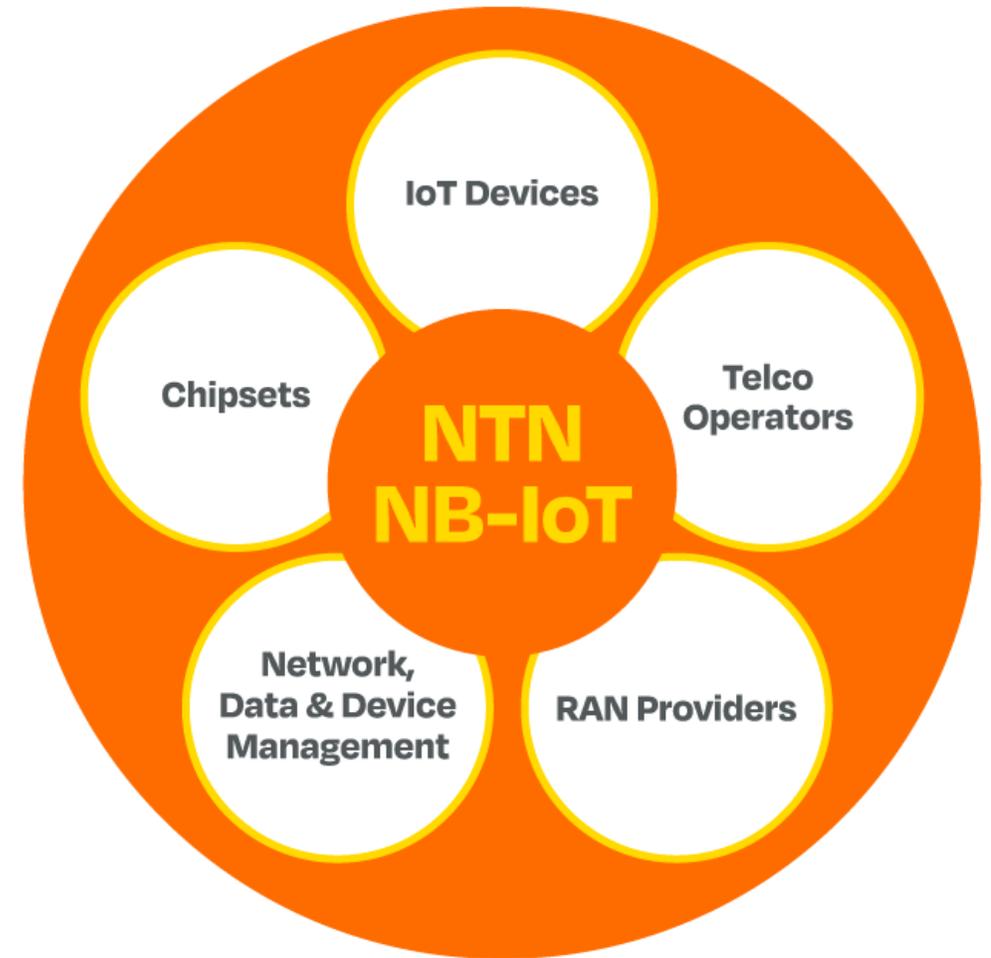
Source: GSMA Intelligence

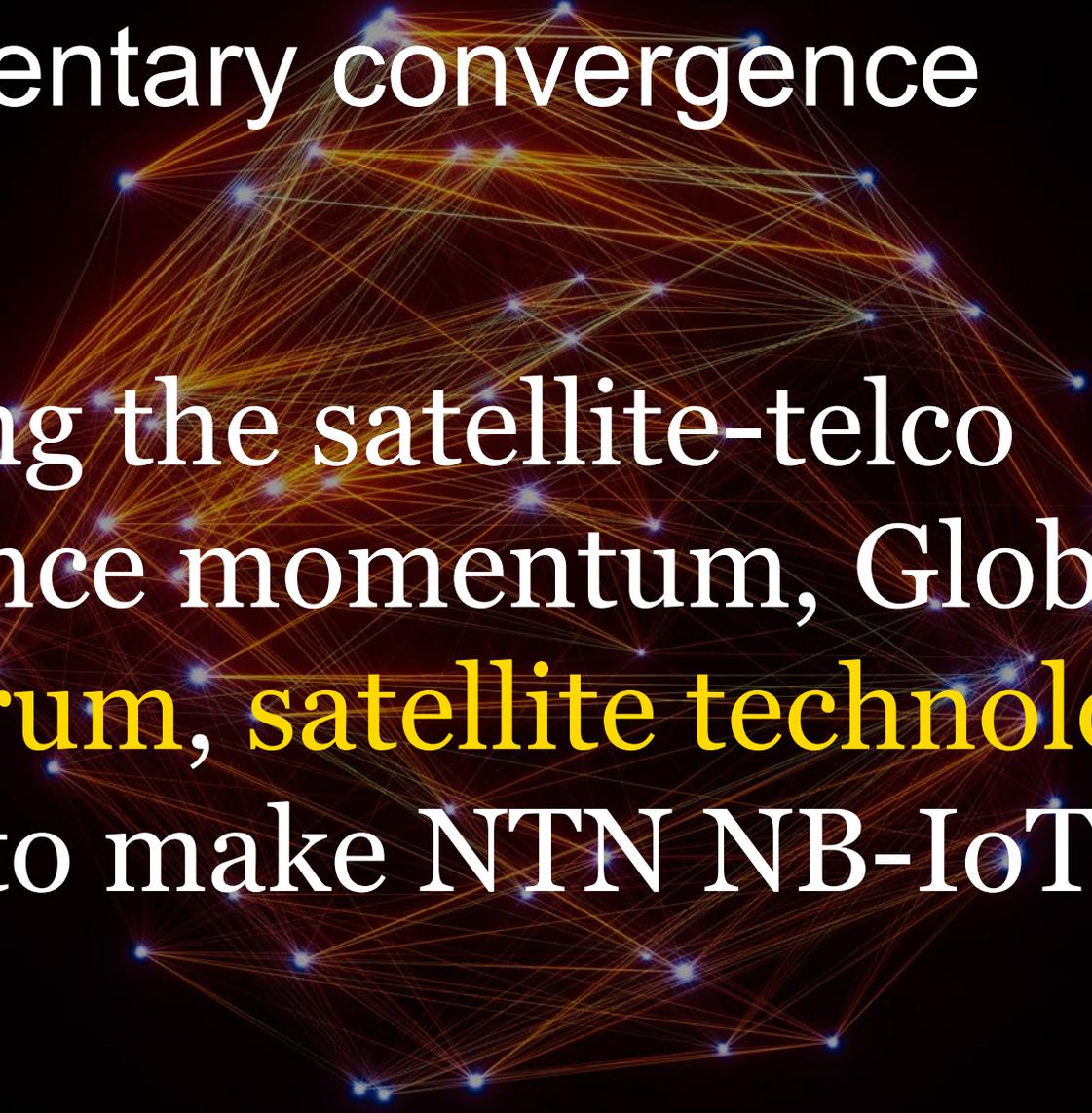




/ The Globalstar NTN NB-IoT ecosystem

- Globalstar will adopt 3GPP Release 18 NB-IoT
- Strategic partnerships between terrestrial and non-terrestrial service providers enables new and innovative solutions and applications





Complementary convergence

Supporting the satellite-telco convergence momentum, Globalstar has the **spectrum, satellite technology** and **partners** to make NTN NB-IoT a reality.





Convergence





Convergence



Convergence

n53

NTN
+5G

n53

NTN
+5G

n53



Convergence

n53

NTN
+5G

n53

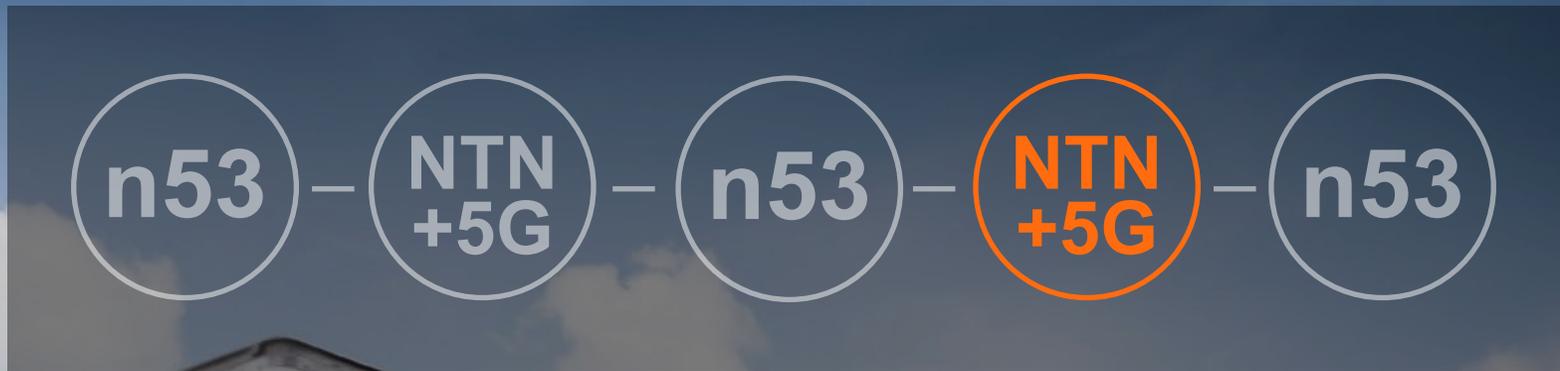
NTN
+5G

n53





/ Convergence



Convergence

n53

NTN
+5G

n53

NTN
+5G

n53



Globalstar delivers on the NTN NB-IoT promise

- Low latency LEO network
- Regulated terrestrial spectrum n53
- Full scalability
- Ubiquitous coverage across countries and between regions





/ Connect smarter

