



OneWeb Global Access

Tony Azzarelli, VP Regulatory and Policy

The Unconnected and Underserved world

World Average	53.6%
Developing Countries	65.9%
Developed Countries	18.7%



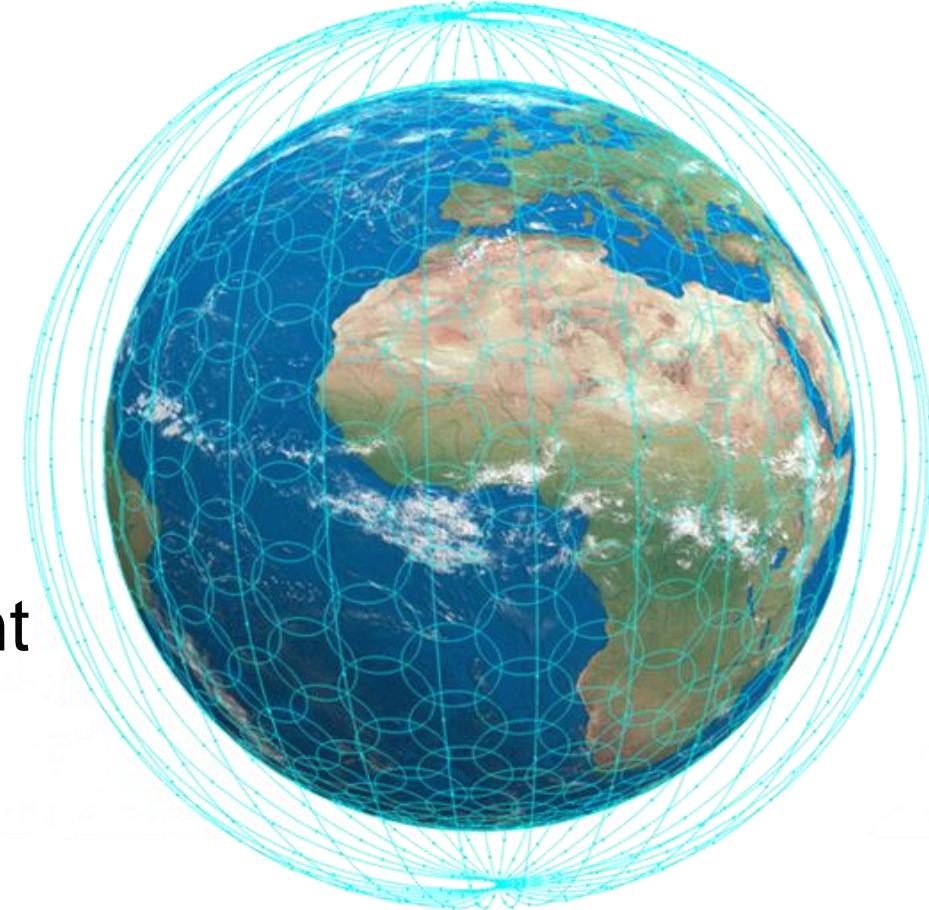
- Figures based on International Telecommunications Union's estimates for 2015

OneWeb is here to bridge the Digital Divide

- **Fiber** has prohibitive costs to deploy in rural areas
- **Satellite** provides “coverage” and is “cost effective”
- **OneWeb** broadband quality comparable to terrestrial

Speed	Download up to 50 Mbps Upload up to 25 Mbps
Volume	10 to 150+ GB per month
Latency	about 50 ms round trip
Coverage	High elevation angles (> 50 degree)

OneWeb's Global Constellation

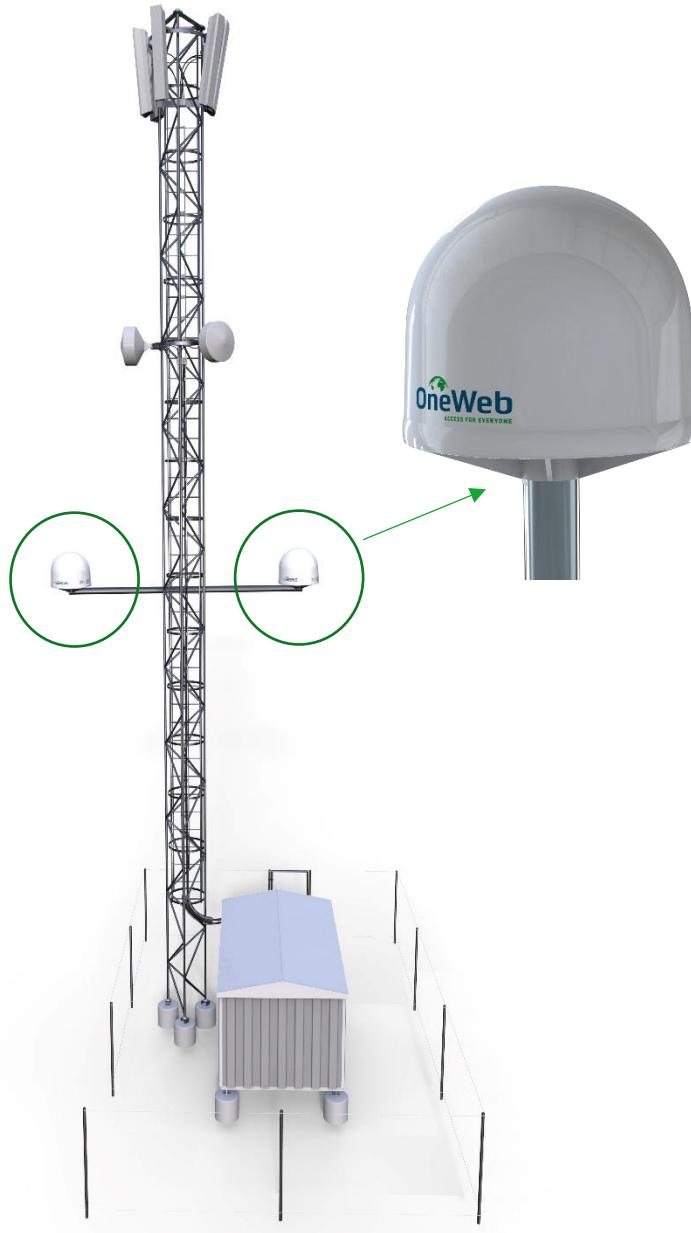


- 648 satellites by 2020 - initial deployment
- Low Earth Orbit - 1,200 km
- 18 orbital planes
- Ku-band and Ka-band spectrum
- Global coverage

Schools, Homes, Communities Centers, Hospitals, Small Medium Enterprises



Cellular Backhaul



Connecting Roads & Trains



Maritime Platforms – Ships and Oil & Gas



Aviation



First Responder – Emergency Services



Public Protection and Disaster Relief (PPDR)



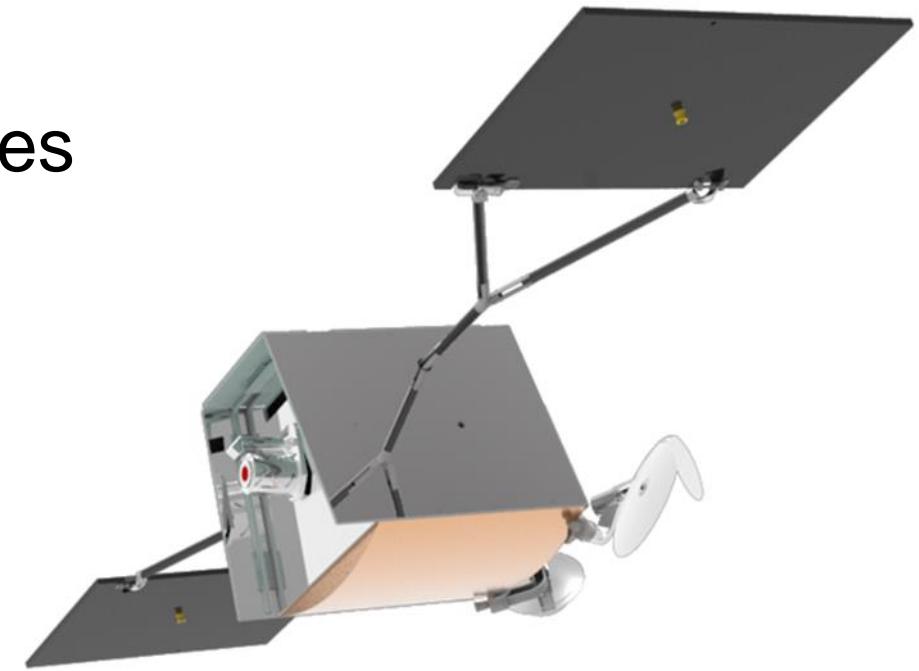
OneWeb Satellite Manufacturing

Joint Venture



Small, low cost and quick to build satellites

- High volume production
- Simple satellites
- Size: ~1 cubic meter, ~150 kg
- Lifetime: 7+ years
- De-orbit capability



Launchers - Arianespace

- 21 Soyuz + options
- Pilots launch end 2017
- Constellation deployment from 2018-2019



Launchers – Virgin Galactic

39 Virgin Galactic launches
Immediate access to space
Direct orbit insertion



OneWeb is Taking Responsible Measures

- Clean space - minimizing debris
- Ensuring no interference to GSOs
- Securing command and control of satellites
- Securing ground network

World Class Group of Partners and Shareholders



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