

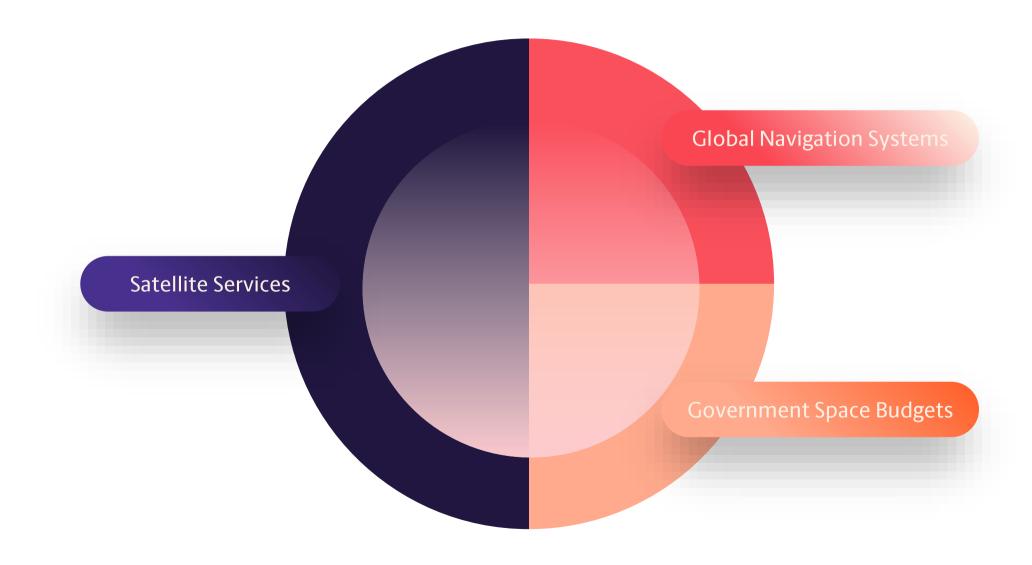


'The challenge of this age is that the threats are complex, multilateral, asymmetric and constantly changing. Even the last SDSR underestimated the speed at which the threats we face today would develop.'

Penny Mordaunt, former UK Sec. Of State for Defence

Connectivity from Space - a \$335bn industry







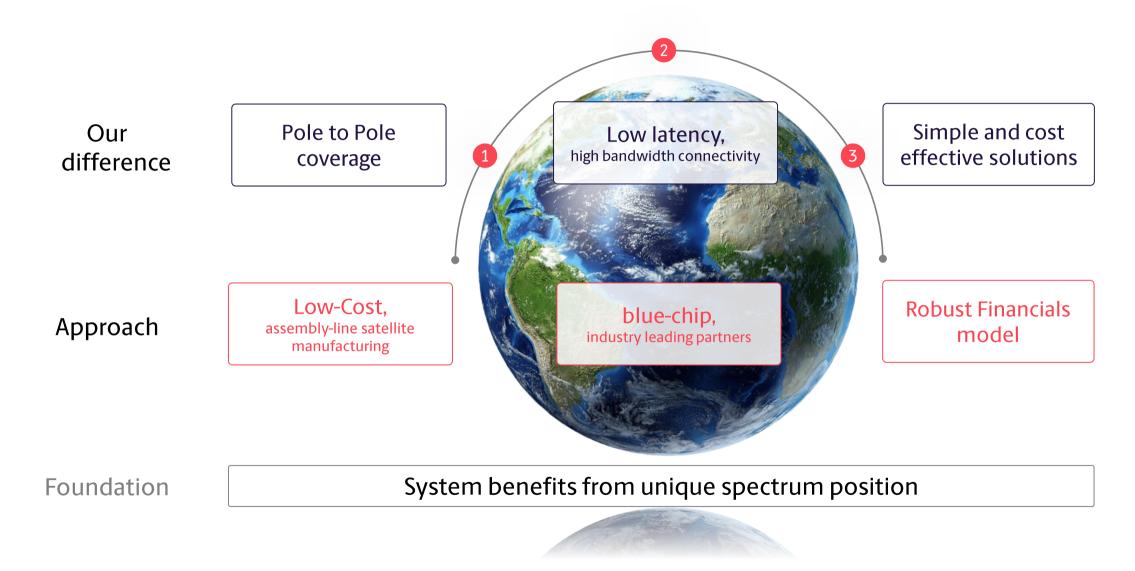


'Space Superiority is he future of warfare. We cannot win a war without controlling the high ground, and the high ground is space'

General Lance Lord, former US Commander of Air Force Space Comd



OneWeb – Greater mission impact everywhere



Global adoption of new technologies





3.4 bn internet users globally



2 bn people on social networks



48% of global population not yet connected

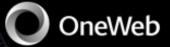


70% of global population to use smartphones by 2020

The data race in a deeply interconnected world...







Challenging what's gone before







Integrated into payload applications



Safety and reliability



Time to market





OneWeb Network -How it works

Rapid Response Satellite Production













Satellite Final Assembly Line (FAL)

01

OWS Factory located on Space Florida KSC Exploration Park campus 02

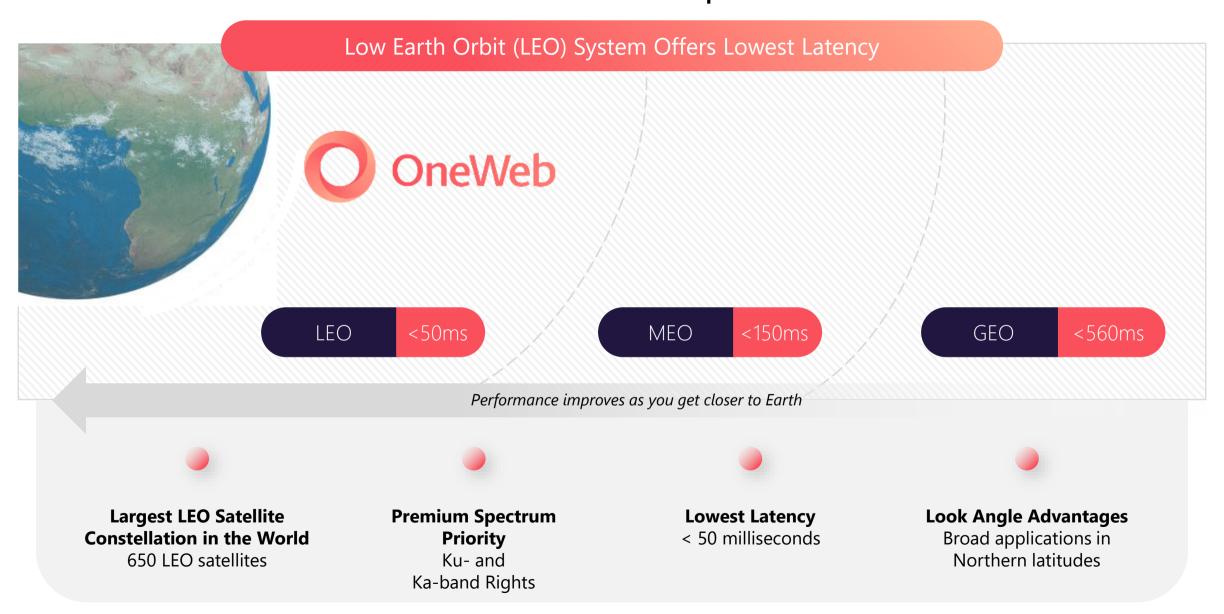
Production commenced 2019

03

Mass production high volume facility

Benefits of LEO constellations in New space sector







Requirements for a touchless architecture





bandwidth intensive applications



near real time command and control



advanced sensor capabilities



lower latencies

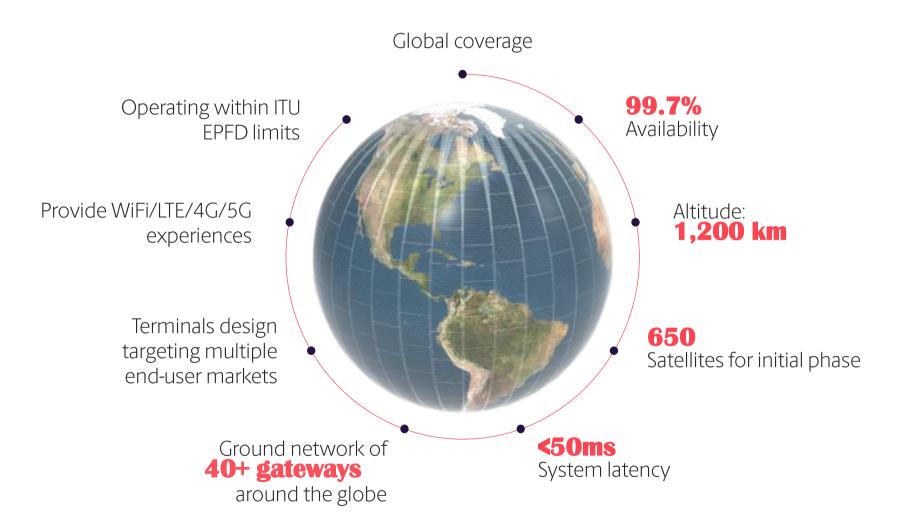


better data rates



security and resilience

Ready for service in 2021

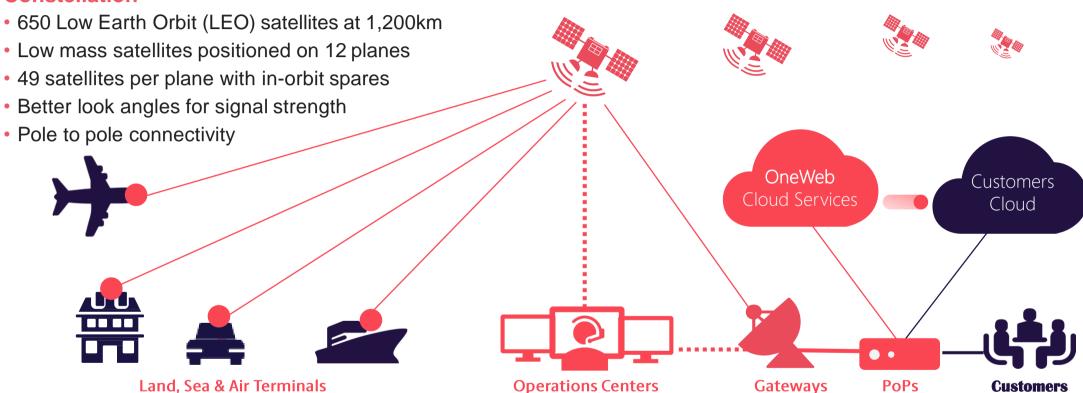




OneWeb System Overview



Constellation



Ground

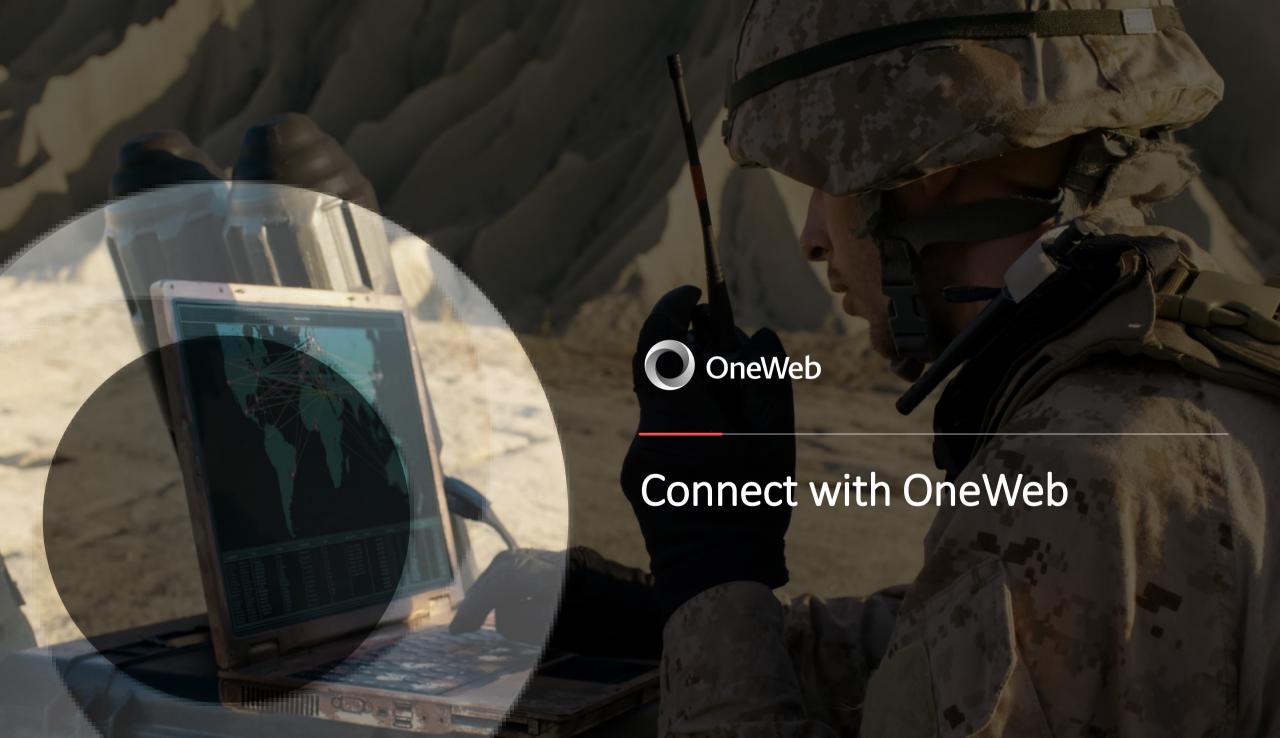
- User terminals designed for target markets
- · Gateway earth stations around the world
- Operations Centers in London and Virginia

Connectivity

- Premium Spectrum Ku- and Ka-band Rights, >3.5Ghz of globally harmonized spectrum
- Innovative satellite design with revolutionary beam technology

Approach

- System capacity >1Tbps
- Low latency <50ms
- Terminal download speeds up to 195Mbps







A Range of Defence Applications



The global communications network for everywhere for everyone