

Why Fibre for 5G?

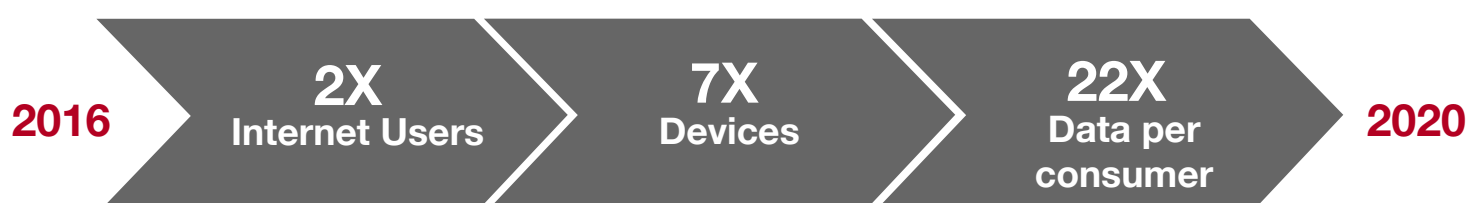
Internet of Things

Virtualisation
Robotics
3D Printing
Driverless Cars
Virtual Reality
Wearable Internet

Developments in technology and their application are the primary drivers for 5G, transforming our lives and stimulating economic growth.

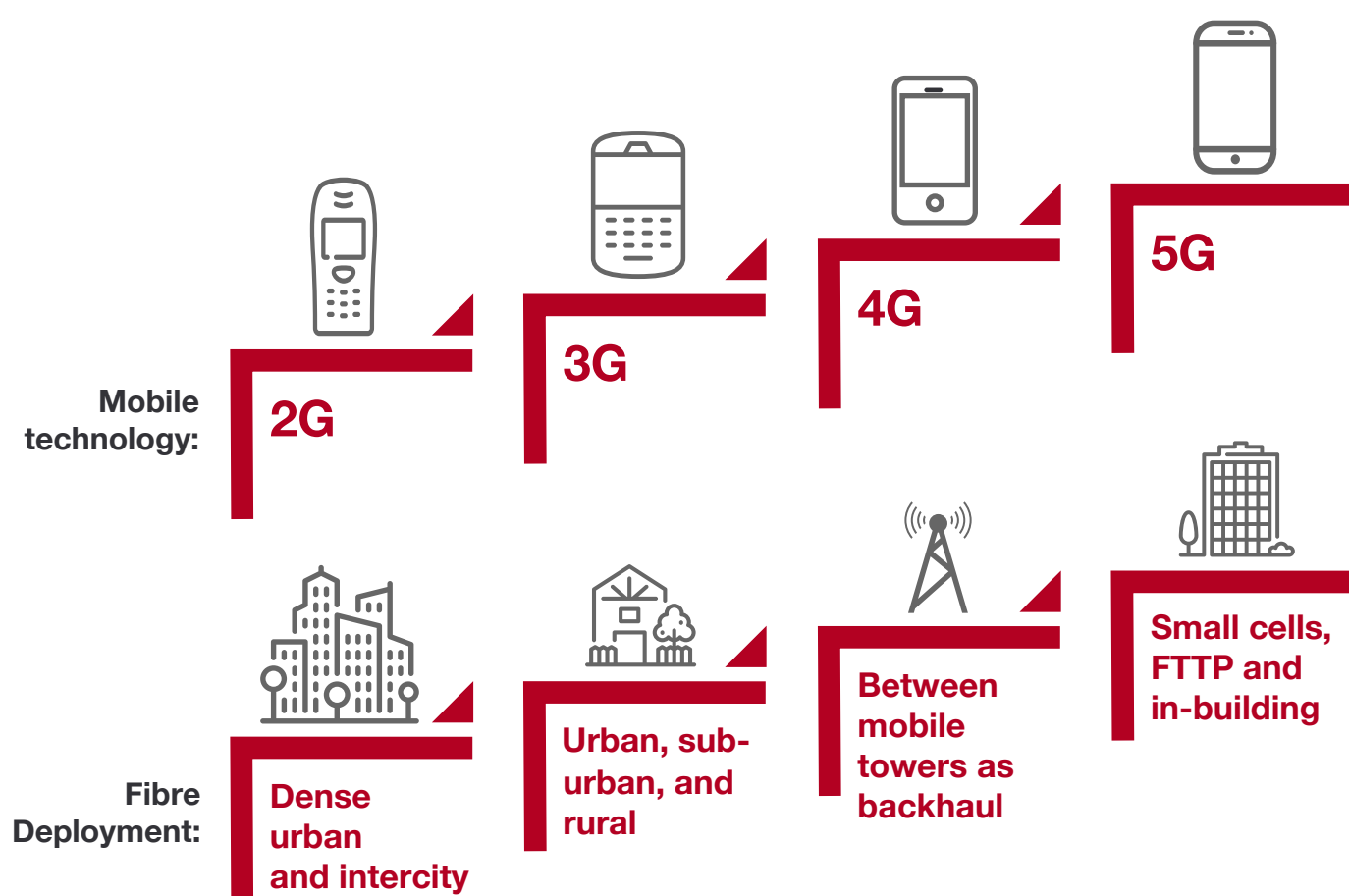
Artificial Intelligence

Block Chain
Drones
Augmented Reality
Digital Money
Big Data
Machine to Machine



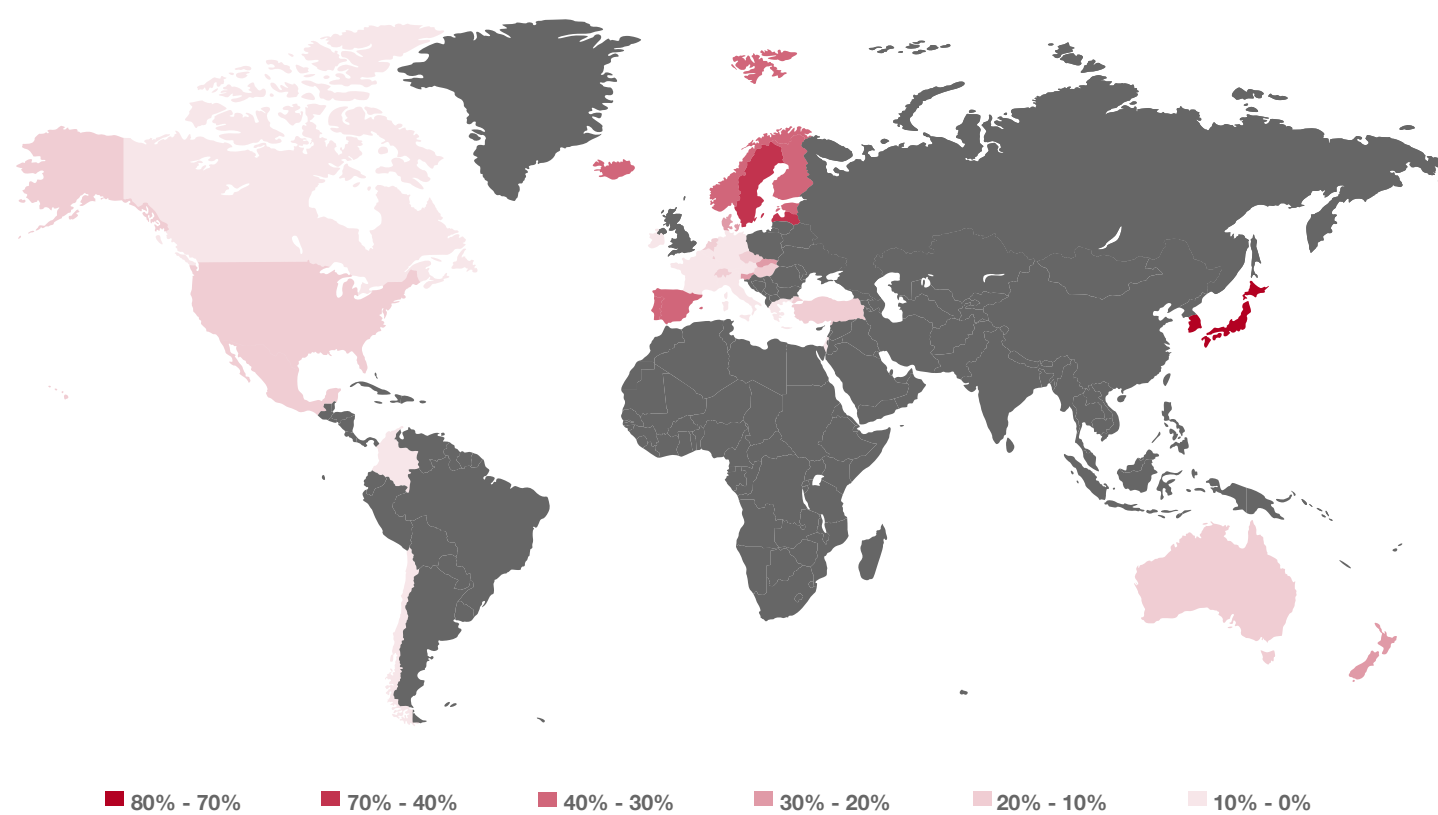
Certain applications demand higher bandwidth and lower latency that can only be delivered by 5G

To deliver 5G and anticipated high traffic volumes, fibre is considered the best solution, and is the most efficient medium to support explosive data growth



Global fibre demand is increasing

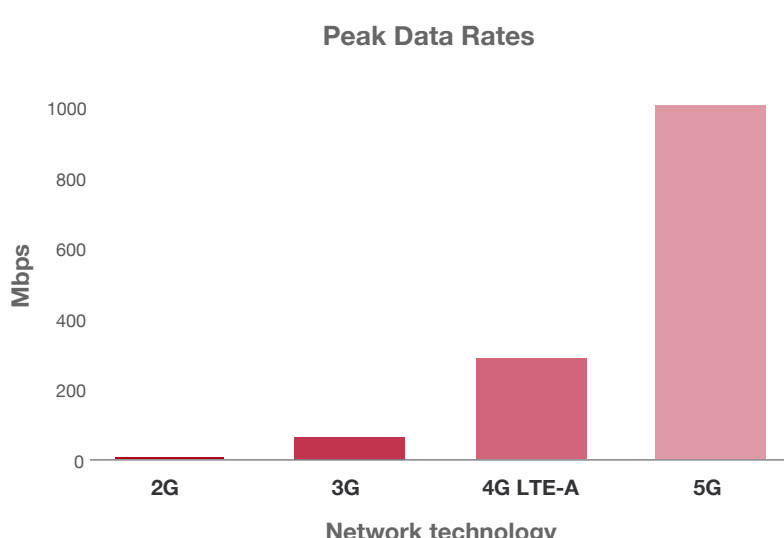
% of fibre connections in total broadband:



Global fibre optic market to grow at a CAGR 9.49% during the period from 2016 to 2020

How can fibre address 5G network densification challenge?

- Only fibre can deliver the amount of bandwidth required for 5G at the right price
- Higher fibre count cables provide sufficient capacity for future
- Fibre allows speeds of over 100Gbps and lower latency
- Greater deployment of fibre in the access network to support increased mobile backhaul and small cell rollout



Increased speed and capacity will rely on higher frequencies and network densification