



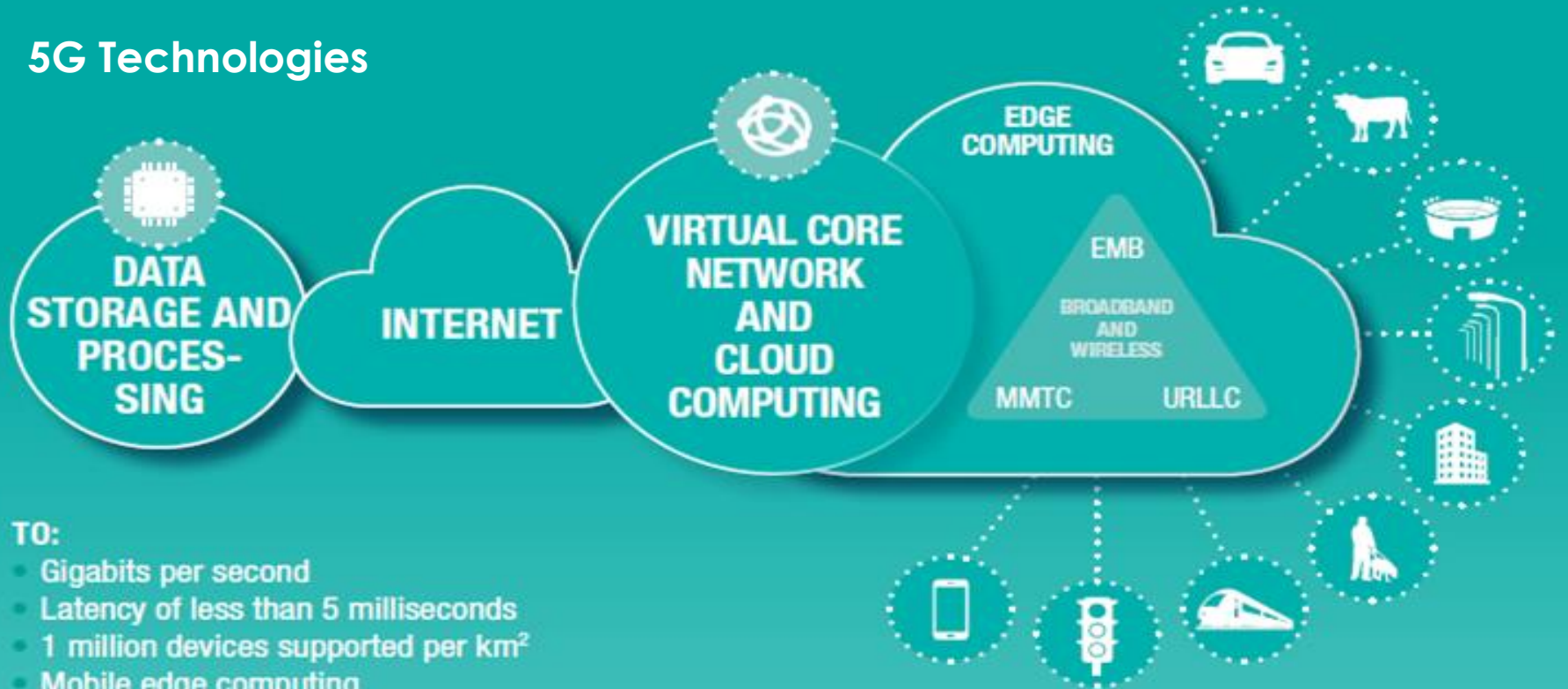
Department for
Digital, Culture,
Media & Sport

Ben Grubb

5G TESTBEDS
& TRIALS
PROGRAMME



5G Technologies



T0:

- Gigabits per second
- Latency of less than 5 milliseconds
- 1 million devices supported per km²
- Mobile edge computing
- Heterogeneous service levels



£200m

invested in a nationally coordinated programme of 5G testbed facilities & trials, in a range of geographic & vertical market segments.



Build

Business cases

Foster

5G Ecosystem

Lead

Research & Development



5G RuralFirst



5GRIT



Urban
Community



Smart
Tourism



AutoAir



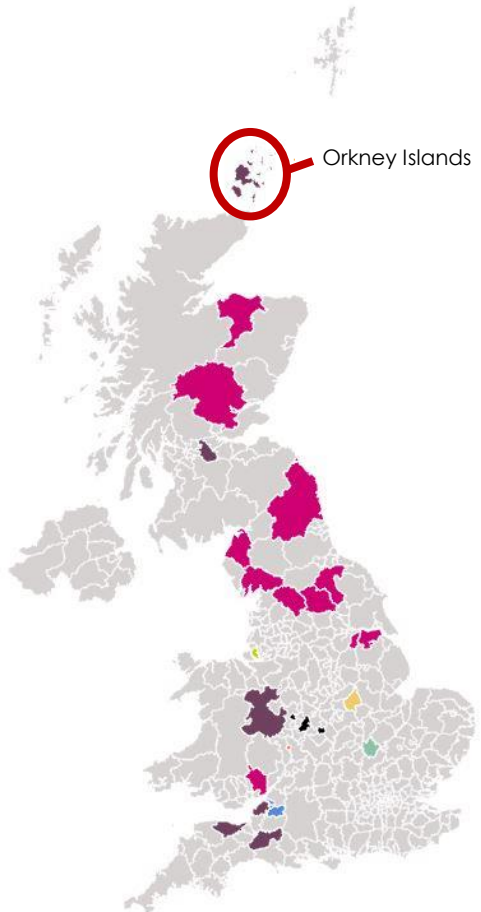
RIDC



Liverpool
5G



Worcestershir
e



- 5G Smart Tourism
- 5G RuralFirst
- AutoAir
- 5GRIT
- Liverpool
- Worcestershire
- Urban Connected Communities
- RIDC



Sea

tapestry



Examples of use cases:

- Connected windfarm
- **Aquaculture health monitoring**
- Connected cows
- Autonomous tractors
- Community mobile broadband
- Ferry connect
- Legionella conditions monitoring
- Radio broadcast
- Edge content upload
- Spectrum sharing
- LiFi
- Open roaming



Associate Partners



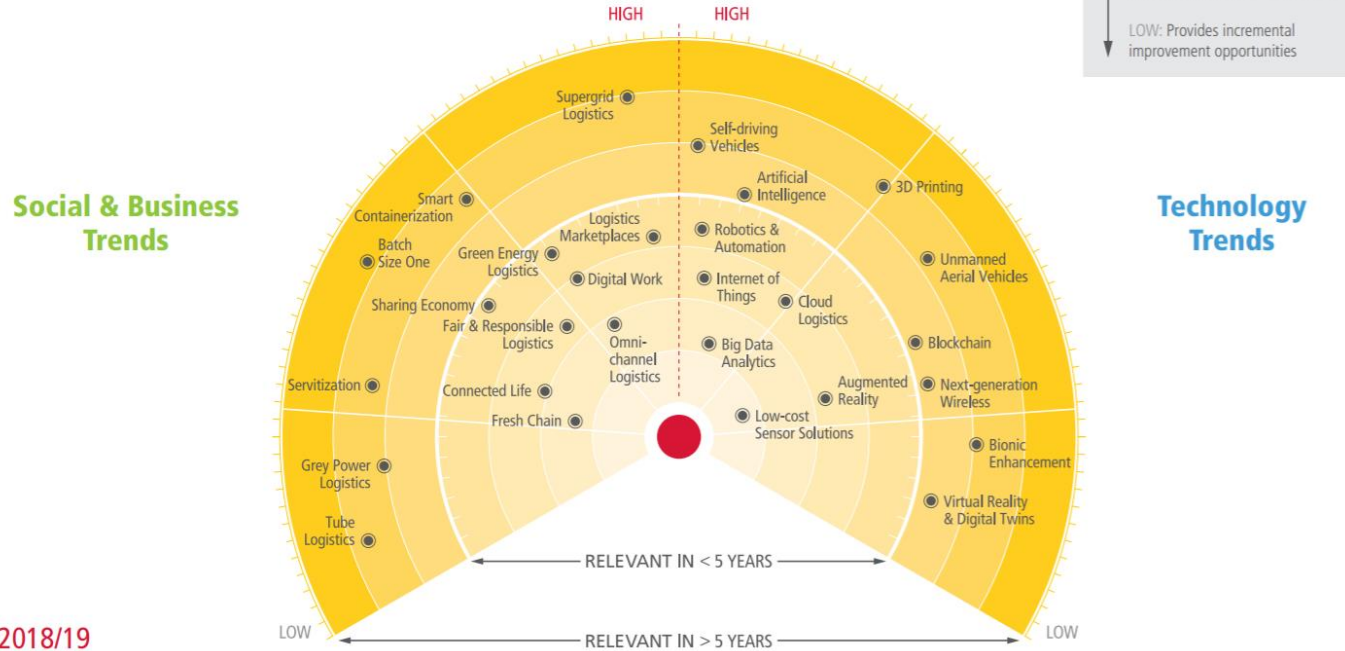


Potential use cases of 5G in logistic hubs



(Electronic copies available [Gov.uk](https://www.gov.uk))

At a Glance: the Logistics Trend Radar



2018/19

Source: DHL Group. [Logistics Trend Radar](#)

UK 5G Innovation Network

2400+

Users

1100+

Organizations

UK5G is a 'network of networks' to facilitate, encourage and coordinate 5G activities across the UK.



(Electronic copies available UK5G.org)



A Forward Look

Programme

- Industrial 5G
- Rural Connected Communities
- UK-South Korea collaboration
- UK-European Space Agency collab.

Policy

- Shared Rural Network





Thank you

Ben Grubb

5G Testbeds and Trials Programme

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<https://uk5g.org/>