5G Technologies

- 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
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
Potential use cases of 5G in logistic hubs

At a Glance: the Logistics Trend Radar

Social & Business Trends

Technology Trends

Source: DHL Group. Logistics Trend Radar
UK5G is a ‘network of networks’ to facilitate, encourage and coordinate 5G activities across the UK.
A Forward Look

Programme

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

Policy

- Shared Rural Network
Thank you

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https://uk5g.org/