



Liverpool 5G Create – Connecting Health and Social Care



Why the Liverpool 5G Project? What problems are we trying to address?

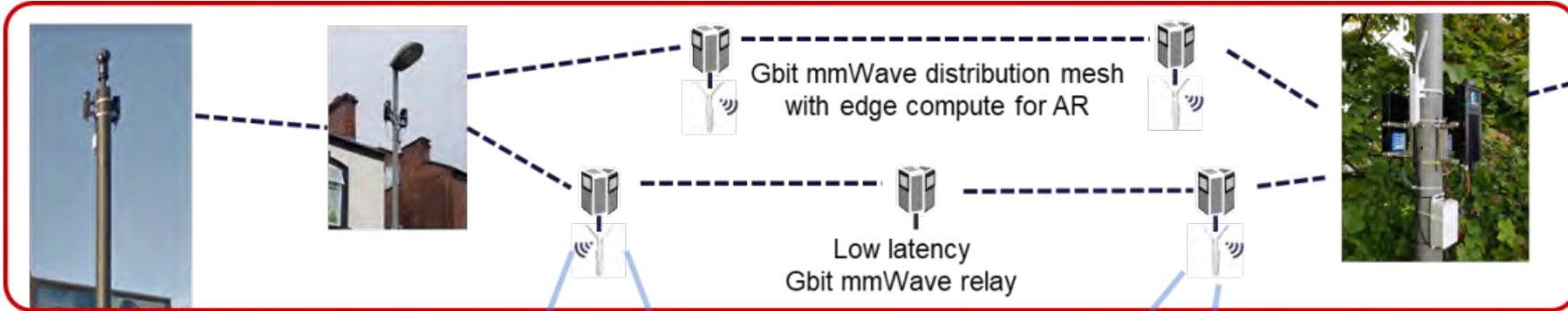


- There are many **barriers to the adoption** of technology in health and care services. **Access to affordable, reliable connectivity is a key barrier.**
- Digital programmes have increased the quality and responsiveness of services but have not generated significant cash savings.
- Why? Increased use of remote tech leads to **increased data charges** meaning a larger proportion of H&SC budgets are spent on connectivity – we have no control over pricing.
- The current pandemic has led to an increase in remote services but has also highlighted the impact of **Digital Poverty on Health Inequalities.**
- By 2025, **analogue telephone services will be switched off** as the UK's telecoms infrastructure is upgraded to digital connectivity. Major implications for the 1.7 million people who rely on telecare in the UK.





Technical Solution



Fixed line Gbit mmWave to GPs, health centres, hospitals and community buildings



Small-cell mobile network in residential areas for mobile device access, WiFi and LoRa



City Watch CCTV Sites



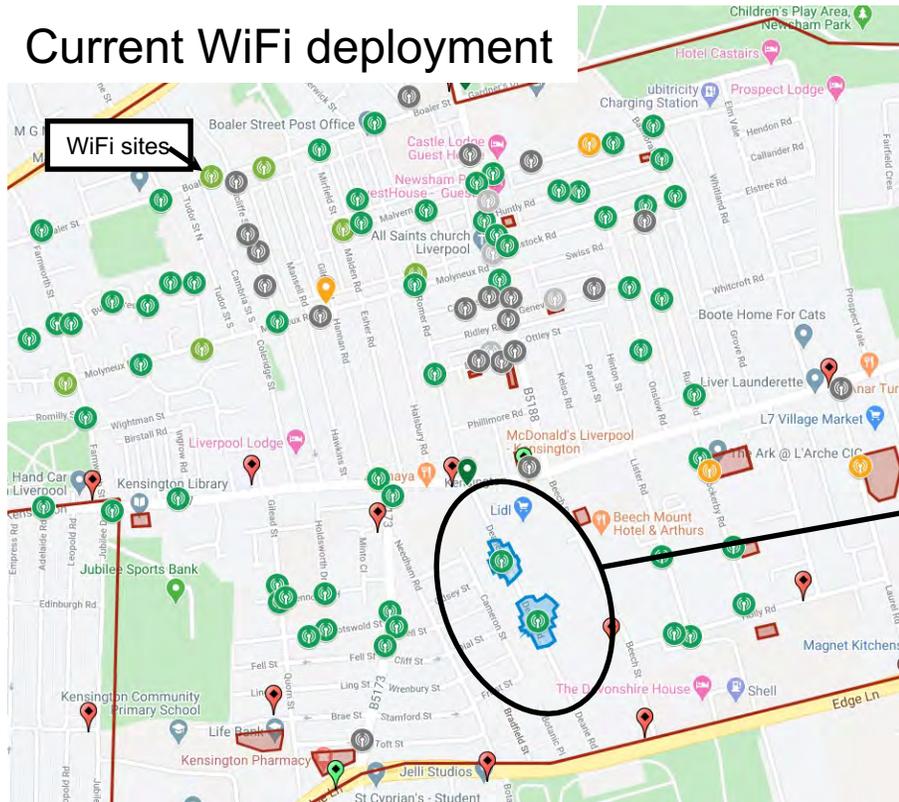
Liverpool City Council fibre network



Health data management
Application hosting
Network function hosting
Peering

New 5G Create Programme

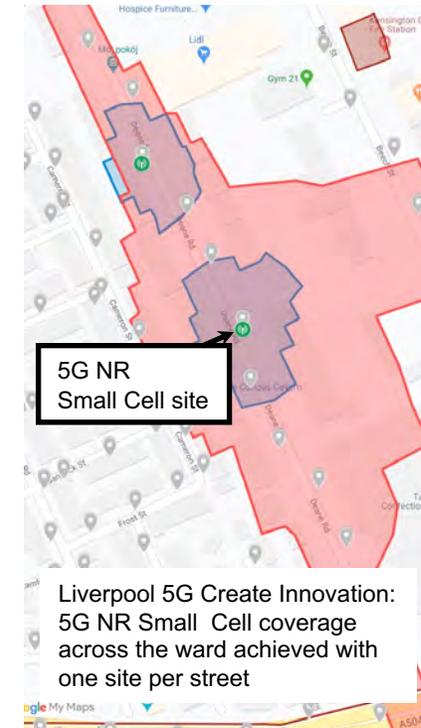
Current WiFi deployment



WiFi coverage



Small cell coverage





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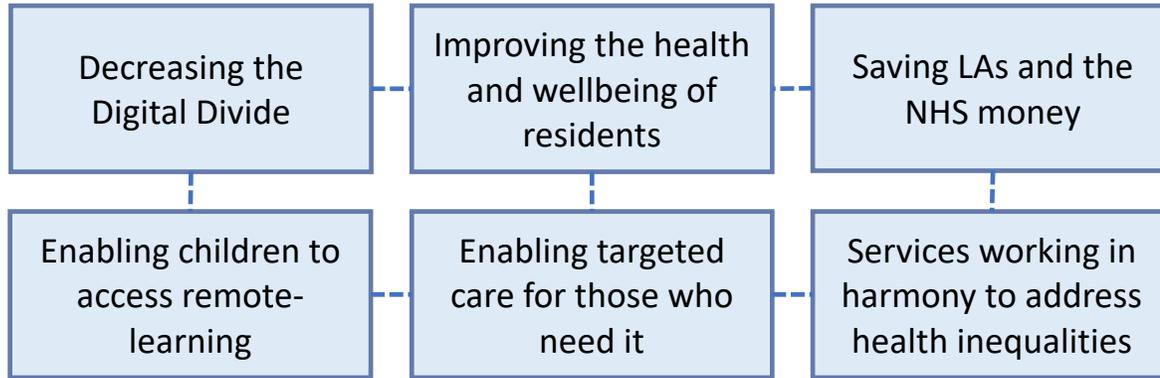
- This is a CCTV Camera pole with a small cell and MM wave





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Outcomes



“This is a great opportunity to develop the British technology that can change people’s lives by enabling affordable connectivity and reducing digital poverty”

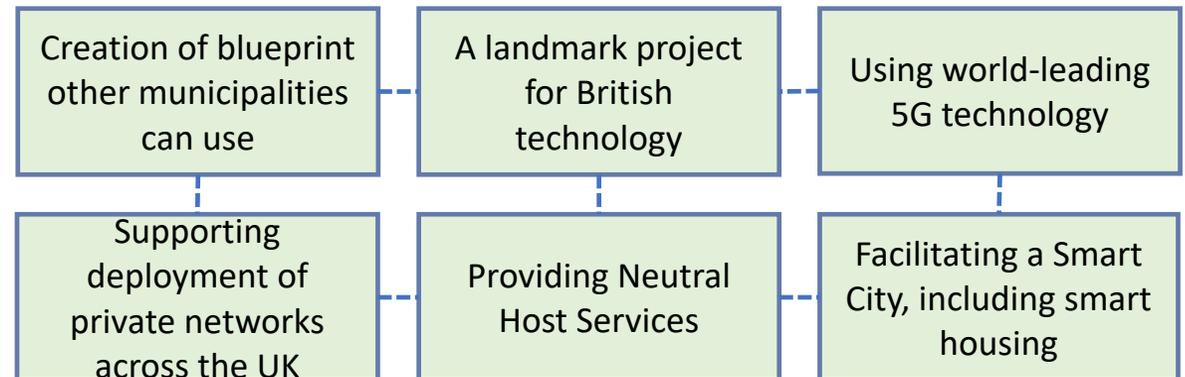
*Professor Joe Spencer
University of Liverpool & Project Lead*



Benefits

“Tackling the digital divide will be crucial to addressing social and economic inequalities and levelling up every community.”

Local Government Association



Contact us



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Liverpool 5G Create
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