



Department for
Digital, Culture,
Media & Sport

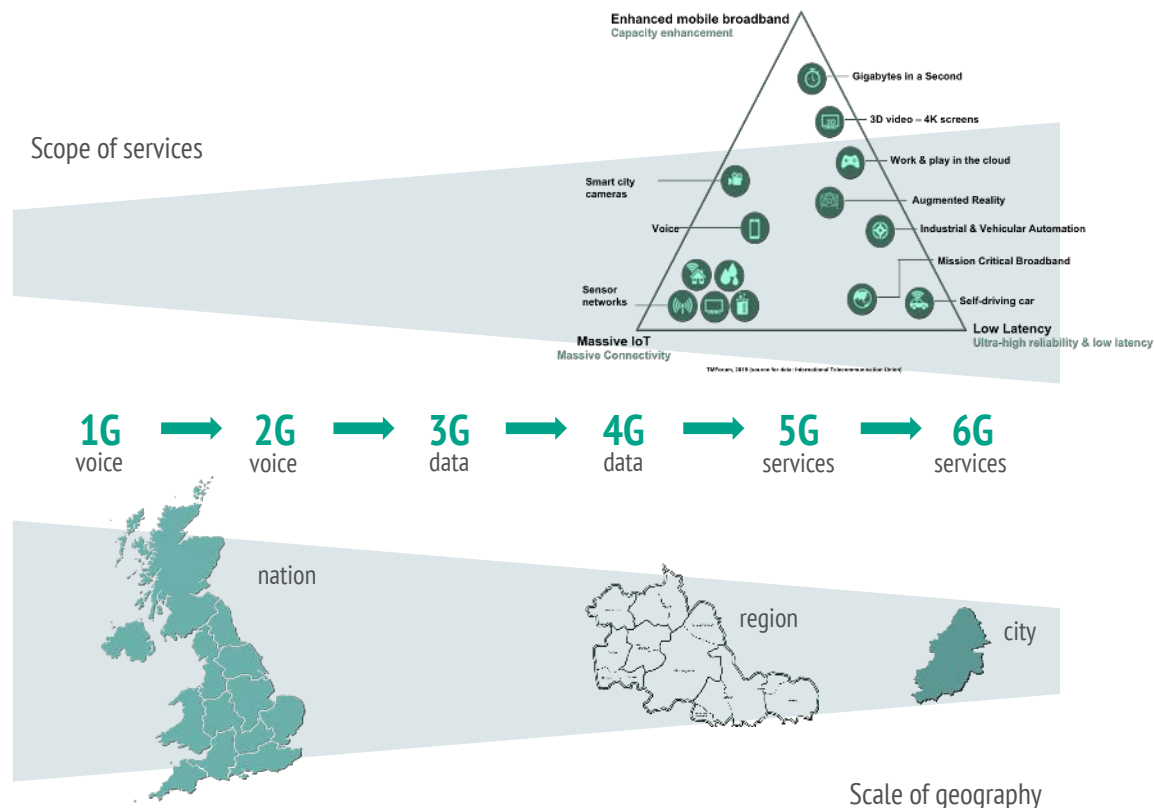
Attracting Investment in Digital Connectivity

'What Can 5G Do for Us?'
event hosted by Essex + Herts Digital Innovation Zone

December 2022



Case for change: when technology creates opportunities



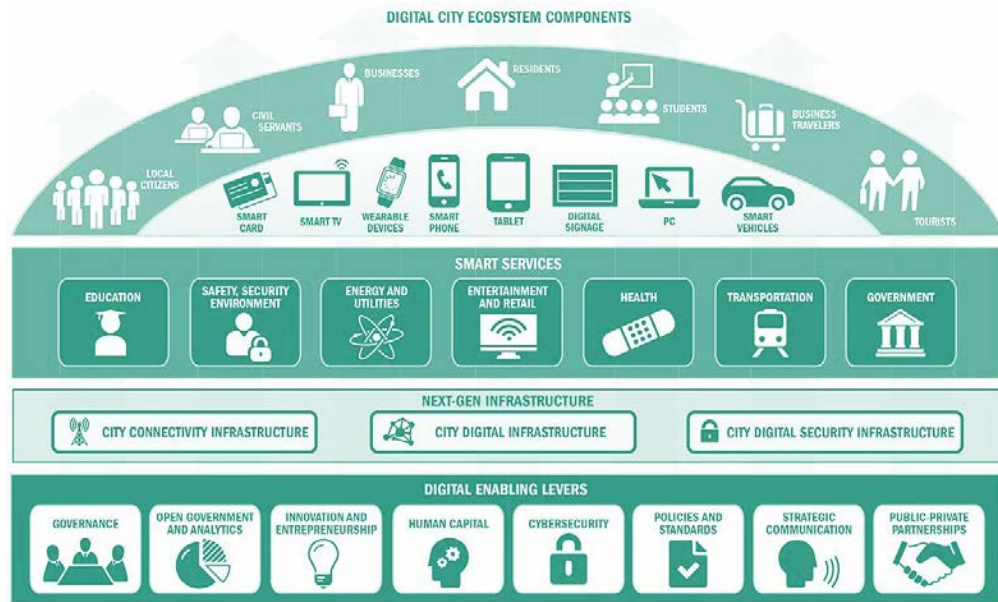
Infrastructure rollout requires viable scale to generate returns on relatively high levels of capital investment.

Specialised service applications tend to be tailored to localised geographies.

By enabling an expanding range of service applications, mobile network technologies are becoming increasingly 'place-centric'.

This rebalancing of scope and scale is driving a fundamental shift in the future 'models of network deployment'.

Connectivity-as-a-platform a.k.a. 'alternative models of deployment'



'Smart Cities: A Gateway to Digital Life', by Booz Allen Hamilton

In a platform oriented architecture of a smart place, connectivity layer is shared by an ever increasing number of service providers.

Shared infrastructure model lends itself to economies of scale as it eliminates the need for multiple duplication of capital investment.

Hence the emergence of 'alternative models of deployment' where networks are shared either at a physical layer ("neutral host") or a logical layer ("network slicing").

This approach requires regional bodies and local authorities to drive coordination between the public sector, enterprises, telecom industry, and investors.

Investment playbook for 5G places

1 Make it as easy as possible to deploy network infrastructure

- Easy = quick and low cost... simplify and digitalise processes
- Remove barriers through community engagement and effective planning policies
- Open up your assets (land, buildings, street furniture) to telecom companies

2 Stimulate and aggregate demand for advanced wireless services

- Bring together major enterprises and public sector stakeholders
- Commit to 'anchor tenancies' if possible
- Focus on creating demand where currently there's none (or not much)

3 Reduce the risk of investment

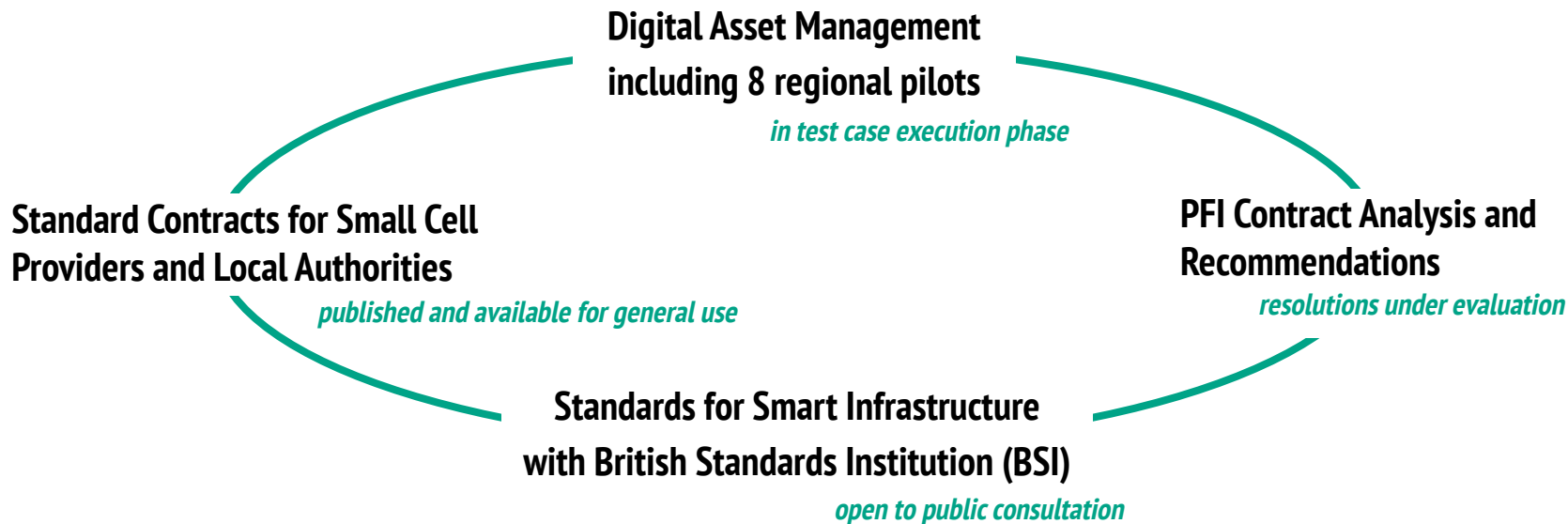
- Make digital connectivity central to your growth and economic development plans
- Develop a **shared infrastructure proposition** that is clear on benefits and returns for investors
- Co-invest with industry with funding through growth deals, regional development funds, etc.



Bloomberg via Getty Images

Step 1: Digital Connectivity Infrastructure Accelerator (DCIA) by DCMS

DCIA programme specifically explores challenges involved in using publicly owned infrastructure assets to support the roll out of advanced wireless connectivity:



For more details go to: <https://www.gov.uk/guidance/digital-connectivity-infrastructure-accelerator-programme>
or contact us at dcia-info@dcms.gov.uk



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