

## A Digital Winchester District – Evidence Library

### **Infrastructure**

#### What is Superfast, Ultrafast and Gigabit broadband?

BCP Council - built a wholesale active fibre spine across the BCP area and the rest of Dorset. The 400km route includes 210 identified points of interest such as industrial estates, towns, educational establishments, and hospitals. Investment sought £50m-£65m.

5G Solution - Leveraging our unique skills and knowledge obtained in setting up the UK's only local authority fully owned and operated 5G testbed, we will create a business focused on the deployment of 5G private networks. Initial deployments will be at industrial sites across Dorset, followed by the capability to operate worldwide. Investment sought £30-£35m.

Place-based Data Insight System - Our Place-based Data Insight System will ingest and analyse data at scale. This capability will form the foundation upon which Smart Place solutions are built. Initial deployment to the BCP area with future replication to places worldwide. Investment sought £25-£30m.

Place-Based Integrated Applications - The Applications programme will build the technical, commercial, and operational capability to create an innovative digital public portal that allows citizens, organisations and visitors to engage with their "Place". This will become the home to a core set of place-based applications which leverage intelligence from the Smart Place Data Insight System, providing a full range of locally integrated online services, from hospitality and retail, through mobility and transport, to health and social care. Investment sought £30-£35m



OFCOM

- Information on 5G, which includes health concern reference: [5G\\_mobile\\_technolog](#)
- [Provider Ogi building better broadband for Wales](#)
- [The Welsh Government is bringing 5G mobile connectivity to support pilots across education, transport, tourism and farming in Blaenau Gwent and neighbouring Monmouthshire.](#)
- [Information from BCP Council on EMF monitoring](#)
- [RF EMF Guidelines 2020 - The ICNIRP Guidelines on Limiting Exposure to Electromagnetic Fields](#) are for the protection of humans exposed to radiofrequency electromagnetic fields (RF) in the range 100 kHz to 300 GHz. The guidelines cover many applications such as 5G technologies, Wi-Fi, Bluetooth, mobile phones, and base stations.

- [UK Government information on low frequency electric and magnetic fields](#)
- [Government unveils plans to relax mast rules to end mobile signal blind spots](#)
- [Benefits of high-speed internet case study – Source: UK government](#)
- [Building Digital UK – Government delivering broadband to the nation](#)
- [EM3 5G Project](#)
- UK Government Digital Infrastructure Toolkit:



Digital\_Infrastructure  
\_Toolkit.pdf

## Access

- An initiative in Leeds (by the City Council) where their aim is to tackle the digital divide by working with the public to bring them online and give them the skills, they require to be digital aware: [100% Digital Leeds](#)
- [Online Centres Network](#) are working to tackle the digital and social exclusion
- [Digital Unite](#) are working the Digital Champion approach
- [Learn My Way](#) offers free courses for the public to learn digital skills and to stay safe and connected
- [BT offer free courses to help with feeling more confident and to develop digital skills](#)

Norwich City Council have worked closely with the organisation [Citizens Online](#) to identify the groups of people who are likely to need high levels of support to use the internet. The Citizens Online final report showed that the Norwich population can be broken into the following groups:

- Owner occupiers in older-style housing in ex-industrial areas 6%
- Couples and young singles in small modern starter homes 8%
- Families in low-rise social housing with high levels of benefit need 9% - very low propensity to self-serve
- Young people renting flats in high density social housing 10% - very low propensity to self-serve
- Lower income workers in urban terraces in often diverse areas 11% - very low propensity to self-serve
- Elderly people reliant on state support 13% - very low propensity to self-serve
- Residents with sufficient incomes in right-to-buy social housing 14%
- Young, well-educated city dwellers 29%

## **Opportunity**

- [Rushmoor – ‘Digital Hub’ is a co-working space called Rocket Desk](#)
- [The University of Stirling](#) is working with BT to ensure those in rural areas have access and connectivity just the same as their counterparts in urban areas. So, they can all equally enjoy the same educational opportunities.
- [BT and Belfast Harbour partner to build the UK and Ireland's first 5G private network for ports - Belfast Harbour \(belfast-harbour.co.uk\)](#)
- [Digital Catapult is working with the UK Government to advise, design and deliver programmes for the UK’s digital ecosystem](#)
- [Employment and Training Support for people in Rushmoor:](#)



Rushmoor Skills.pdf

## **Future Potential**

- [Use of street furniture to boost 5G roll out](#)
- BT is working with Leeds City Country to drive inclusive growth and help combat the digital divide. The partnership will also support the roll-out of 5G mobile coverage to 70 percent of the area by 2023, including approximately 81 percent of the city’s council houses, thereby making Leeds the largest “5G capable” city outside of London. More information - [Leeds full fibre broadband build passes the 100k mark \(openreach.com\)](#)
- [North Lanarkshire Council](#) teamed up with BT to create the first 5G-enabled immersive classroom to Scotland
- [Gigabit-broadband in the UK: Government targets and policy](#)
- [EM3 Town Analysis – future growth](#)
- [Understanding the Impact of Digital Developments in Theatre on Audiences, Production and Distribution](#)
- EM3 Digital Spine:



Item 8 - Digital Fibre Spine.pdf

- [The Chancellor announced in the 13 March 2018 Spring Statement the first successful wave of the Challenge Fund, providing over £95 million for 13 areas](#)
- [Project Gigabit: Phase One Delivery Plan](#)
- [Shared Rural Network \(SRN\) -transparency commitment publication](#)

### **What are other areas are doing?**

- Bournemouth, Christchurch and Poole Council – [Smart Place](#) – [Smart Place Topics](#) – [5G in Bournemouth](#) – [Their plan to improve industry and logistics](#) – [Building a research and development consortium](#) – [Smart Place Pilot Cabinet Report](#)
- [Gloucestershire County Council Digital Strategy 2018-2023](#)
- [Maidstone Borough Council Digital Strategy 2018-2021](#)
- [Aberdeenshire's Digital Strategy 2020-2025](#)
- [Coventry City Council](#)
- [Oxford City Council](#)
- [Woking Borough Council Digital Strategy 2022-2025](#)
- [Basildon Borough Council Digital Inclusion Policy](#)
- [Bridgend County Borough Council Digital Strategy](#)
- [Broadband in Surrey report](#)
- [Hampshire County Council Broadband update](#)
- [Hampshire Super-Fast Broadband programme](#)
- [Rushmoor Borough Council, customer and digital strategy](#) – [Rushmoor Local Plan](#)
- [Dorset Digital and Enterprise Innovation Hubs project report](#)
- [Havant Borough Council and East Hampshire District Council](#)
- [Lancashire County Council](#)

- [West Dunbartonshire Council](#)
- [Surrey County Council](#)
- [Portsmouth City Council](#) – Smarter cities review
- [Swindon and Wiltshire](#)

## **OTHER**

- [Citizen Online](#), a digital inclusion charity, have completed extensive projects throughout the UK towards the digital skills and divide we face as a nation.
- [BT full information on their projects across the UK](#)
- [Evaluation of the Super Connected Cities Programme: Final Synthesis Report](#)
- [Hampshire 2050](#)
- [Lloyds Bank UK Consumer Digital Index 2021](#)
- [Lloyds Bank Essential Digital Skills Report 2021](#)
- [Connected Nations 2020 report – Ofcom](#)