



MANY

Mobile Access North Yorkshire

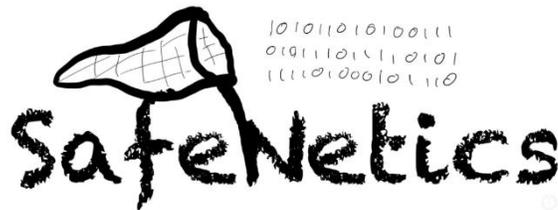


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Mobile Access North Yorkshire

- Mobile Access North Yorkshire is a **£6.4 million research and development** project investigating how the latest technology can help **overcome the digital divide**
- Part funded (£4.4m) by the Department for Digital, Culture, Media and Sport and is part of its **5G Testbed and Trials** programme
- It's **consortium combines** public sector, universities and industrial companies, both large and small and is led by Quickline Communications

Consortium



North Yorkshire

- The **largest county** of England covering 3,103 square miles of which is **predominately green**
- It is culturally and economically vibrant, however, has some challenges in providing services including the **rural nature** of much of the County
- It has an **ageing population** – 24% of residents are 65 years olds or over
- 35% of the County has **poor mobile connectivity** and **6%** with no superfast broadband

A focus on rural challenges

MANY will concentrate on four use cases which are **relevant and integral** to North Yorkshire and other rural areas

- **Tourism** – a £9 billion industry yet without connectivity rural tourism businesses are unable to compete in the market and grow their business
- **Environmental Monitoring** – North Yorkshire is effected by flash flooding causing devastation and destruction to infrastructure and communities
- Attracting walkers, cyclists and visitors to its Dales and Moors, **Mission Critical Services** – such as NHS and Mountain Rescue – could benefit from 5G services
- Giving residents access to new and innovative technology supporting their **wellbeing and mental health**

Connecting hard to reach areas

- Using **newly available software** technology and the spectrum – 1.8 to 4.2Ghz – the 5G network will be delivered using **small items of radio equipment** distributed across the network and **controlled by locally installed** software
- It will provide end users with **ultrafast connection** enabling broadband and data telephony in areas in **current ‘not spots’**
- A further element is to enable connectivity with a **conventional mobile signal** by working with MNOs in order for them to **roam** onto our network

Enhancing rural lives and livelihoods

- **Understanding** the current experiences of rural communities and their **hopes and expectations** of digital connectivity. See examples
 - [Sam Lambert](#)
 - [The Saddle Rooms](#)
 - [The Browns Farm](#)
- Testing the delivery of connectivity to assist in **overcoming the digital divide**
- **Contributing** to the understanding of how 5G can be used to address **rural challenges**
- Developing a **scalable model** which can be **rolled out** nationally and internationally in rural areas supporting the UK5G market



Find out more visit:

www.mobileaccessnorthyorkshire.co.uk

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