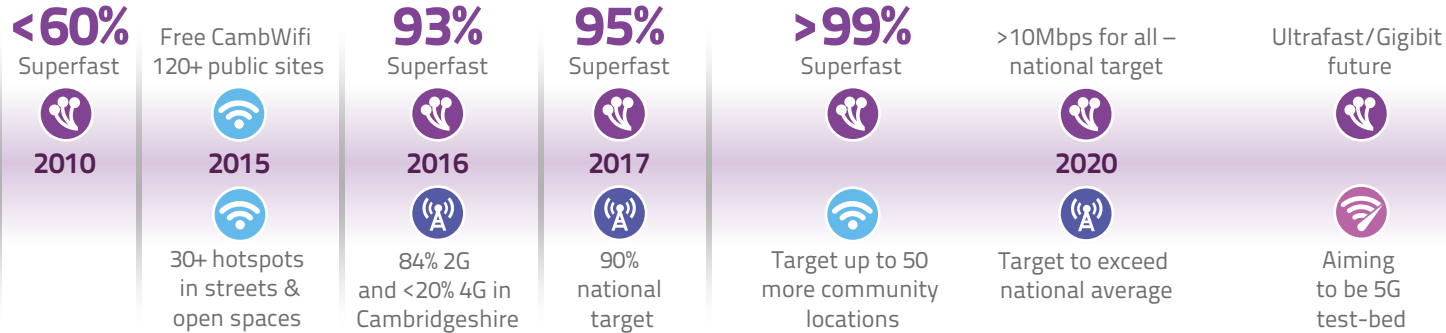# Cambridgeshire and Peterborough Digital Connectivity
BLUEPRINT FOR 21ST CENTURY INFRASTRUCTURE

An up-to-date and future-facing Digital Connectivity Infrastructure helping Cambridgeshire to maintain its position as a leading digital county.

connecting CAMBRIDGESHIRE

DIGITAL CONNECTIVITY TIMELINE

<60% Superfast	Free CambWifi 120+ public sites	93% Superfast	95% Superfast	>99% Superfast	>10Mbps for all – national target	Ultrafast/Gigibit future
2010	2015	2016	2017		2020	
	30+ hotspots in streets & open spaces	84% 2G and <20% 4G in Cambridgeshire	90% national target	Target up to 50 more community locations	Target to exceed national average	Aiming to be 5G test-bed

Superfast Broadband (24mbps +)

- Phase Two – to be completed by Sept 2017 [reaching 95%]
- Phase Three – going into survey/delivery stages with first deployment by end 2017 [reaching 97%]
- Phase Four – targeting >99% including focus on business park connectivity
- Links with other telecoms operators to maximise commercial delivery
- Monitoring connectivity for new housing developments

3G & 4G mobile

- Supporting better coverage with new County Council policy and plans for hosting telecoms equipment
- Liaising with mobile operators to monitor and facilitate roll-out plans to increase 3G and 4G coverage
- Supporting coverage for new housing developments

Public access wifi

- Helping to expand wifi provision for village halls and rural locations

5G Pilots/Testbed & Full Fibre Rollout

Setting out our ambition to ensure this fast-growing area:
- Has ubiquitous full fibre rollout supporting future facing ultrafast connectivity
- Is at the vanguard for the deployment of 5G services in the UK

- Investigating opportunities to link transport and other infrastructure schemes with wider fibre rollout
- Supporting wide-scale small cell rollout by looking at re-purposing street furniture, reviewing new business models and incorporating digital infrastructure into local plans
- Exploring links with sustainable energy approaches

As part of the Smart Cambridge programme:
- 5G connectivity will complement and underpin the collection and dissemination of real-time data through the iCP (Intelligent City Platform), which is already deploying a wide range of sensors across the Greater Cambridge city region using a LoRa network
- 5G 'use-cases' are being developed including feasibility and pilot developments for running autonomous vehicles on the Guided Busway and on-demand autonomous 'pods' as last mile solutions across business parks
- Opportunities for 5G-enabled Cambridge-Oxford expressway and East-West rail
- Exploring NB-IoT narrowband radio technology to help develop smart applications

www.connectingcambridgeshire.co.uk