

# Improving the Mobile Networks in Cambridgeshire

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Connecting Cambridgeshire



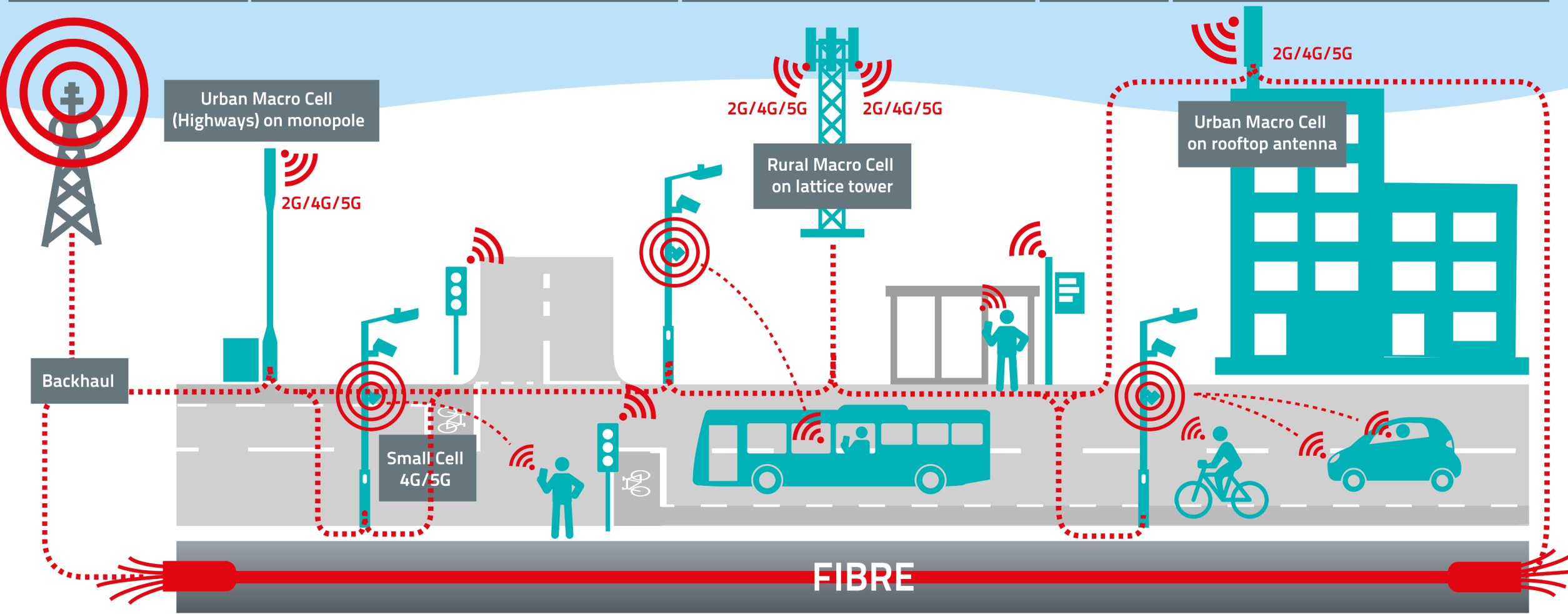
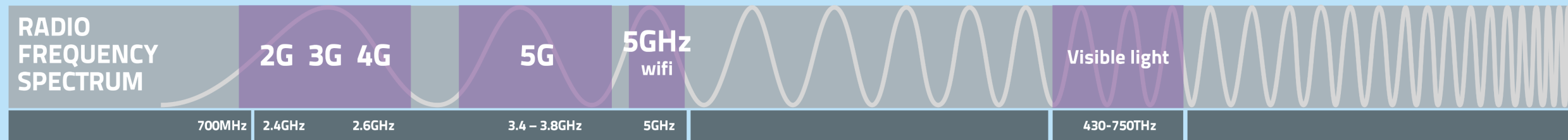
## New CPCA Digital Connectivity Strategy 2025-2029 Approved:

# Cambridgeshire and Peterborough Digital Connectivity Strategy Overview

Digital connectivity has never been more important for businesses, communities and public services. Our vision is to make Cambridgeshire and Peterborough the leading region for digital connectivity and innovation to enable our residents and businesses to thrive. The future strategy objectives are set out below.



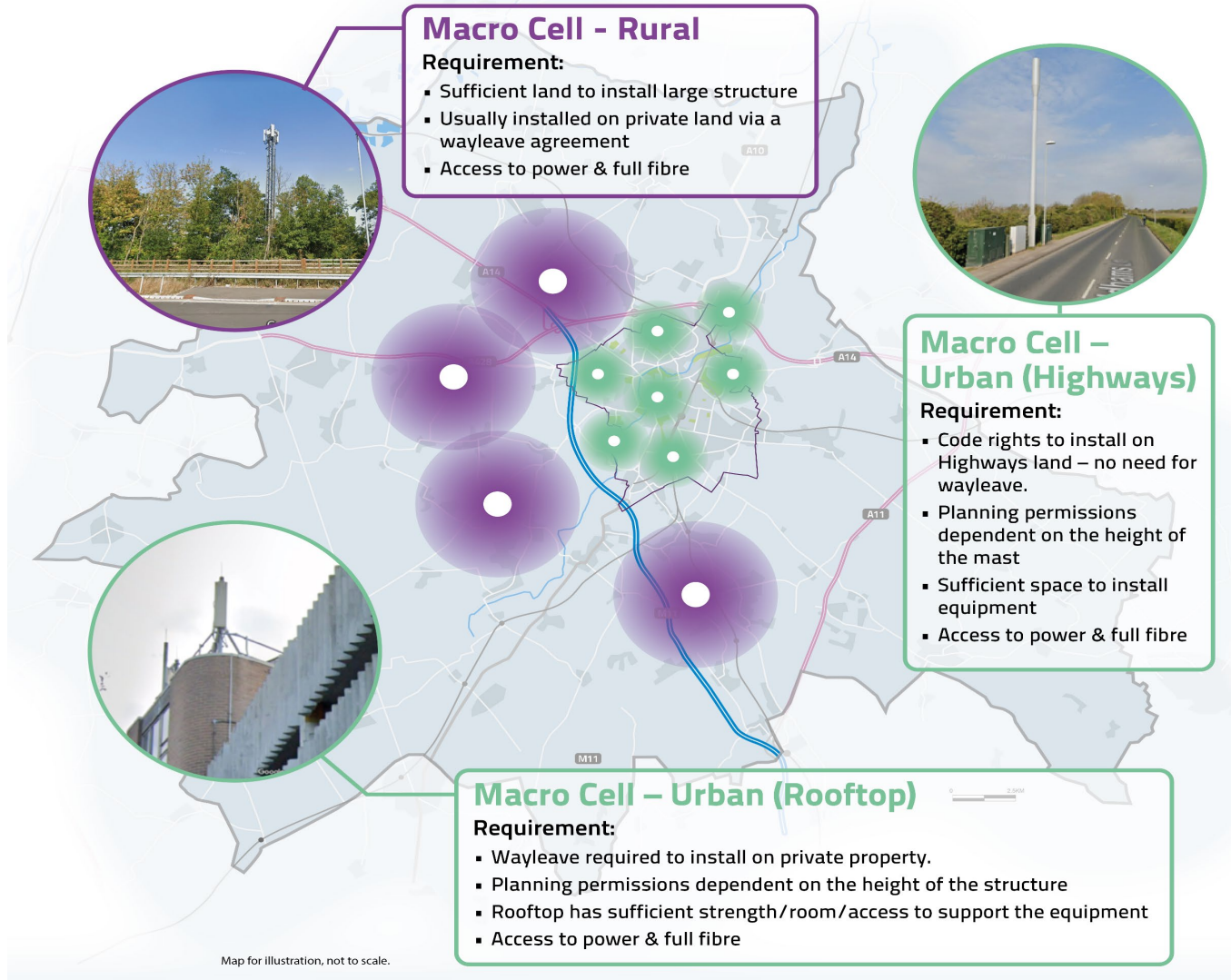
# Extending mobile infrastructure to underpin future digital connectivity



How mobile networks will use macro and small cells to improve rural and urban connectivity enabled by full fibre.



## Key concepts in Mobile infrastructure coverage design:

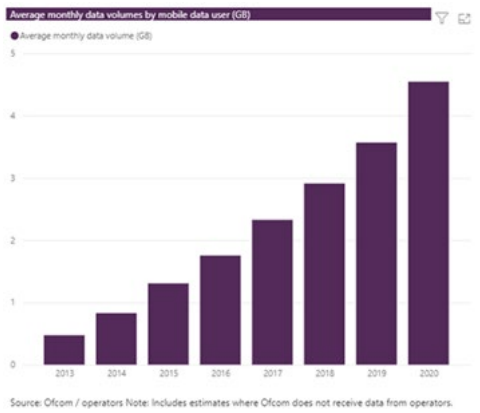




# Network Infrastructure improvements and the role of the Local Authority:

**Mobile Network Operator improvements:**  
 Significant investment to:

- Increase capacity of 4G networks
- Deliver a nationwide 5G network



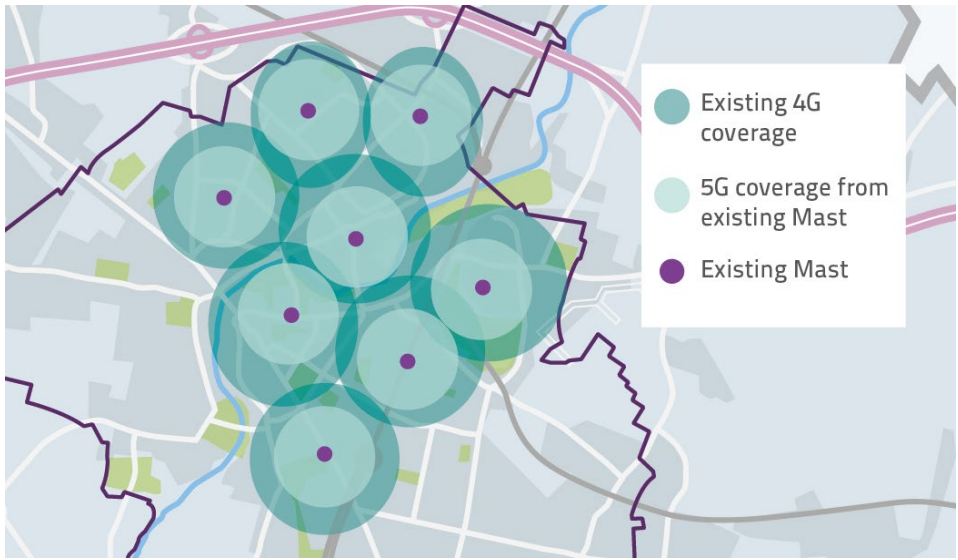
**5G Networks:**

- Not always deployable on existing infrastructure:
  - Different antenna
  - Shorter wavelength
  - 2G/3G/4G networks
- Planning permission issue



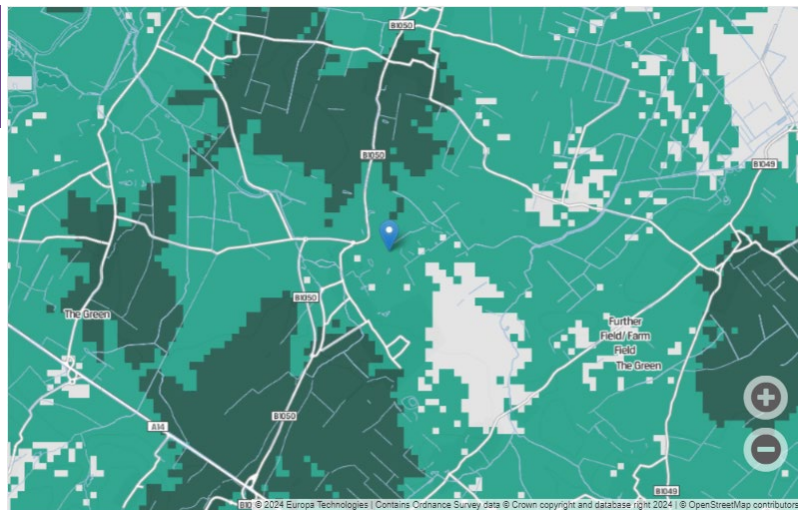
**Small Cells:**

- “Hotspot” locations
- Deployable under code powers
- Deminimis under planning
- PFI Contract issue



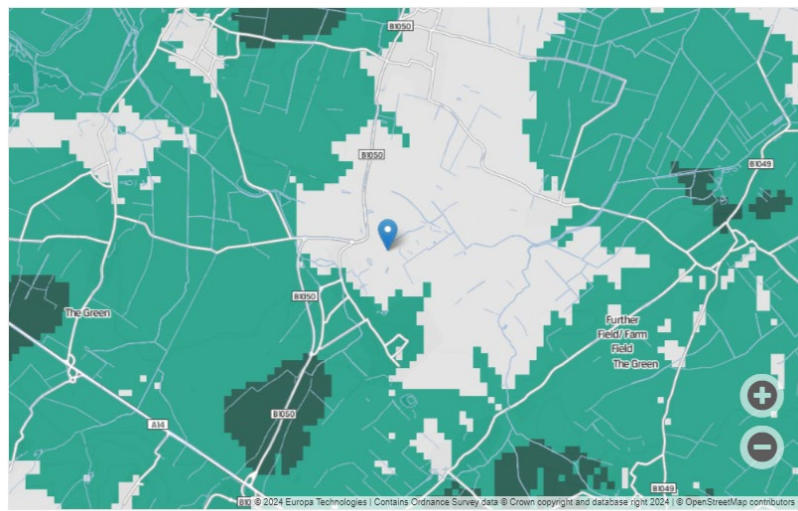
# Northstowe Coverage – 4G

## EE Data

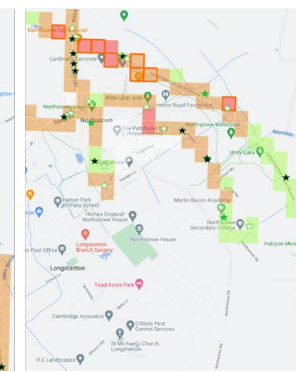
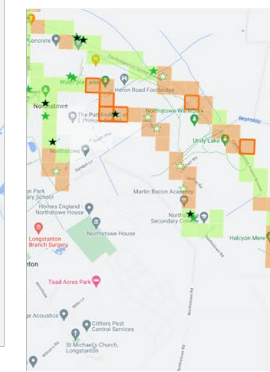
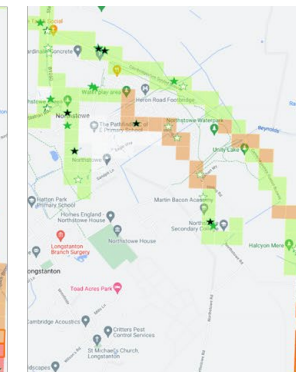
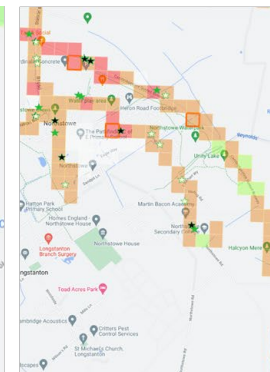
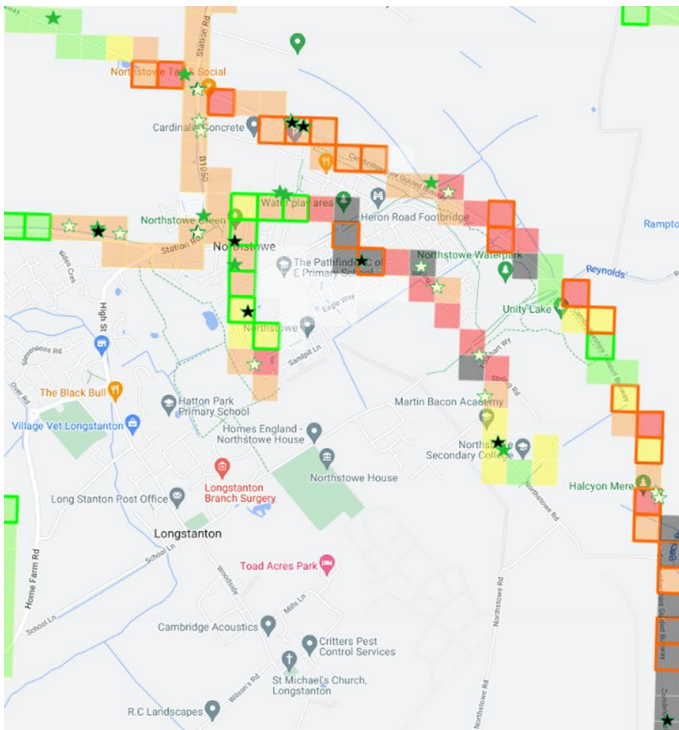


Likely Limited None

## Vod Data



Likely Limited None



	INDOOR % all 4 Ops Geographic	INDOOR % NOT-SPOT	OUTDOOR % all 4 Ops Geographic	OUTDOOR % NOT-SPOT
<b>Cambs &amp; P'boro</b>				
CC survey 2023	59%	5%	94%	0.30%
Ofcom 2023	75%	1%	98%	0%
<b>National</b>				
Ofcom 2023	82%	1.1%	89%	0.30%
Ofcom 2019	76.50%	1.40%	87.20%	3.10%
Change 2019-23	5.5%	0.30%	1.80%	2.80%

- Benchmarking
- Increased engagement
- Planning Resource
- Pilots

Thank you

Any questions?