

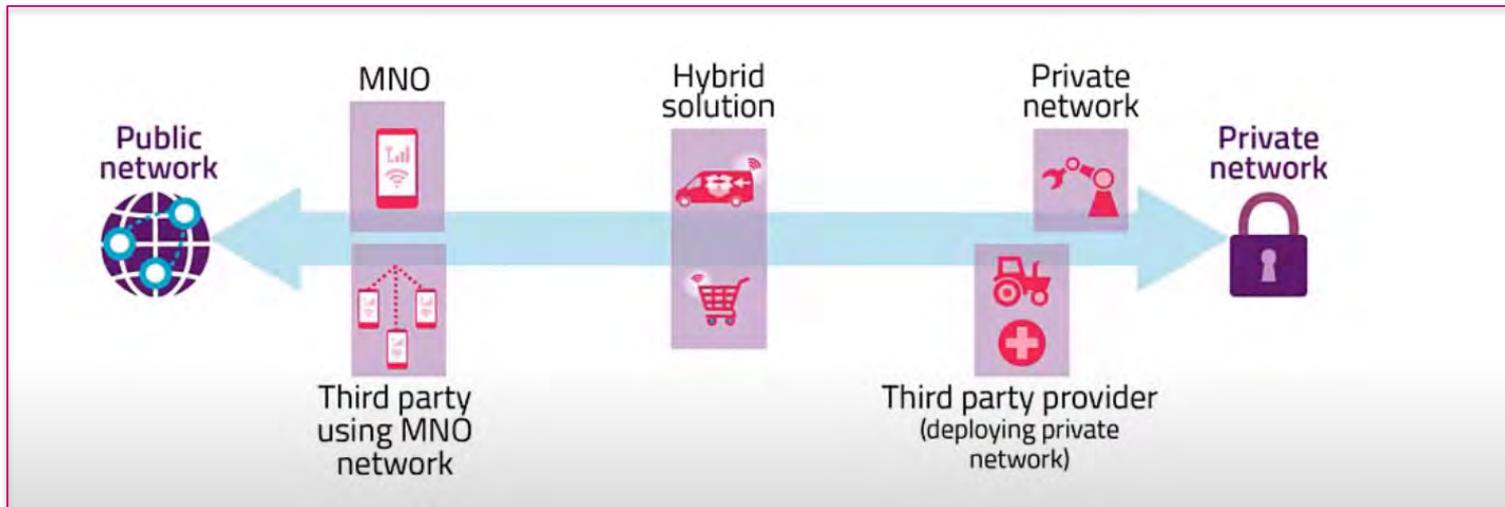
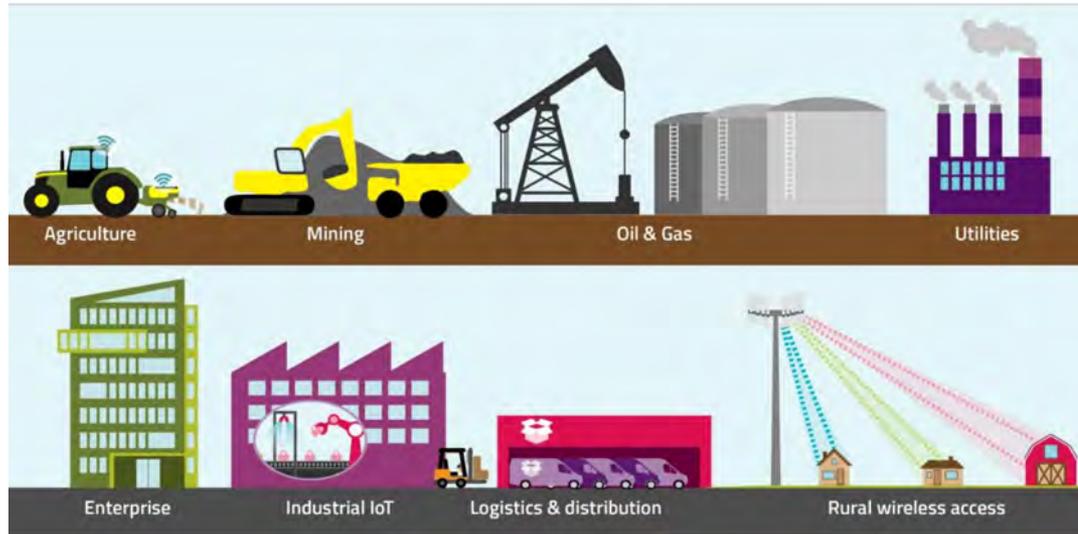
# Shared Access Spectrum

Richard Moore, Ofcom

25 May 2022

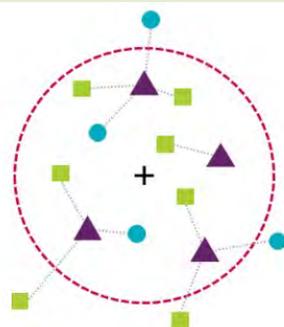


# Shared Access licences enable local connectivity in a wide range of enterprise and industrial applications

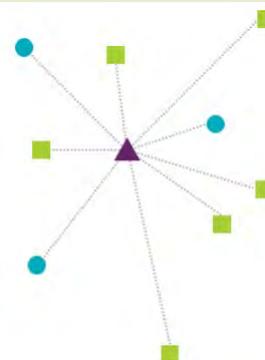


# Shared Access Licences

Bands available	1.8 GHz (2x 3.3 MHz) 2.39-2.40 GHz (10 MHz) indoor only <b>3.8 – 4.2 GHz (10 – 100 MHz)</b> 24.25-26.50 GHz (50, 100, 200 MHz) indoor only
Technical conditions	Low power (24 dBm) 50m area Medium power (42 dBm) single transmitter in <b>rural</b> areas only.
Access type	Ofcom coordinates access for interference to/from other users on first come first served basis, deployment within 6 months
Licence duration	Indefinite subject to annual fee payment
Licence costs	£80 per 10 MHz (all bands except 26 GHz) £320 flat fee (26 GHz)



Low Power



Medium Power

**Legend**

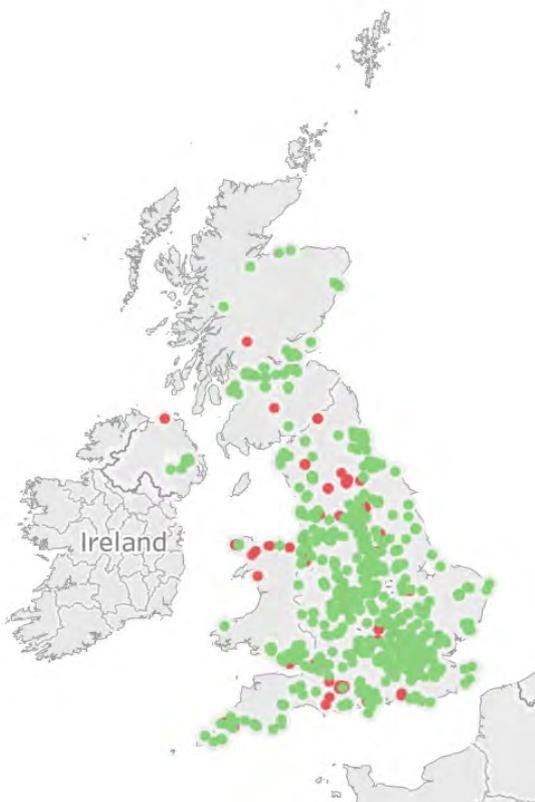
- ▲ Base station
- Fixed/installed terminal
- Mobile/nomadic terminal

# Current Shared Access deployments

1800 MHz

Low Power : 867

Medium Power : 115



2.3 GHz

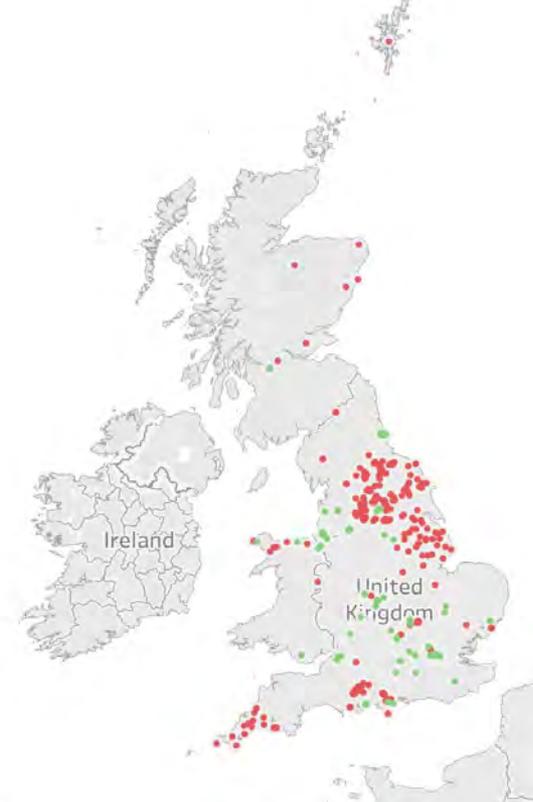
Low Power : 32



3.8-4.2 GHz

Low Power : 163

Medium Power : 259



■ Shared Access Low Power  
■ Shared Access Medium Power

## Looking ahead...

- In December '21 the European Commission requested CEPT to:
  - Study the feasibility of local, terrestrial wireless broadband in 3.8-4.2 GHz
  - Develop harmonised technical conditions to enable sharing with incumbent services e.g. satellite earth stations and fixed links
  - Provide guidance/recommendations on receiver characteristics
  - Interim report November '22, draft final report July '23, final report March '24
- We are looking at improving the processes and technical coordination approach for issuing Share Access licences
- Ofcom is currently consulting on new proposals for Shared Access at 26 GHz:
  - Low power Shared Access to 850 MHz of spectrum in high density areas
  - Medium power access to full 3.25 GHz of spectrum in low density areas

