

# Innovazione Wireless in UK

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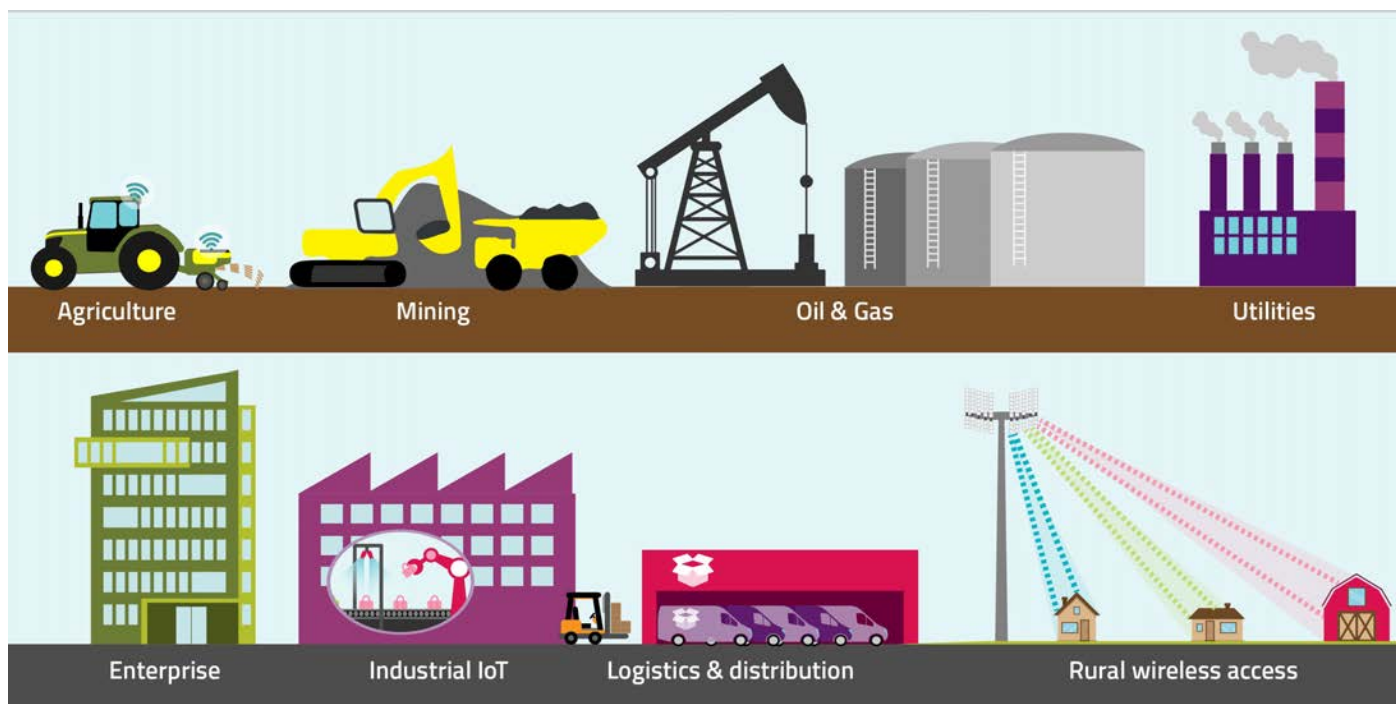
# Making sure people and businesses have connectivity where and when they need it

Dal consumatore all'industria



# Supporting the expanding role of wireless innovation

- Wireless technologies have the potential to deliver benefits across a range of industry sectors
- Not only about 5G



# Some examples from the UK Government 5G test beds and trials programme



## 5G Rural Integrated Testbed (5GRIT)

Rural, including farming and tourism



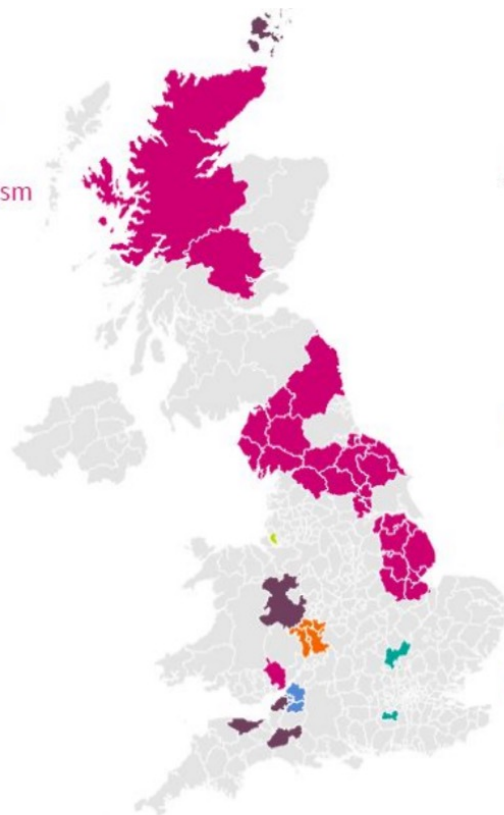
## Liverpool 5G Testbed

Healthcare in an urban setting



## Worcestershire 5G Consortium

Manufacturing and security



● Rural First ● 5G Smart Tourism ● Liverpool ● AutoAir ● 5GRIT  
● Worcestershire 5G Consortium



## 5G RuralFirst

Rural, agriculture and broadcast



## Smart Tourism

Tourism



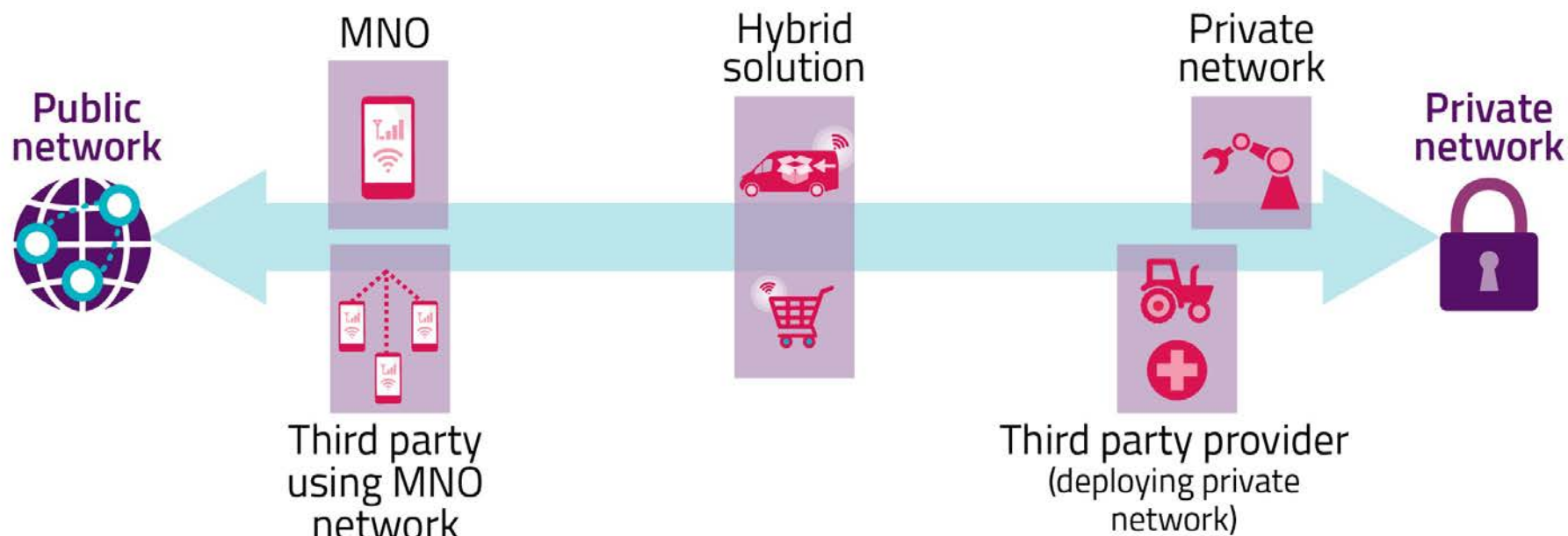
## AutoAir

Dense deployment, CAVs



...And many more

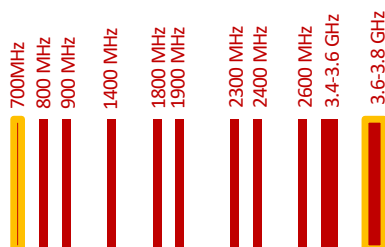
## A range of business models are emerging to deliver different solutions



**Different business models will need different spectrum**

# Enabling access to spectrum

## National mobile spectrum



### Local access licence:

Localised access in locations not impacting MNOs current and future deployment

**Spectrum auction:** 700 & 3.6 – 3.8 GHz

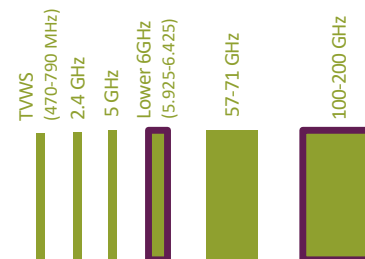
## Shared spectrum for local access



### Shared access licence :

Localised access shared with incumbent/new users on first come first served basis

## Unlicensed & light licence



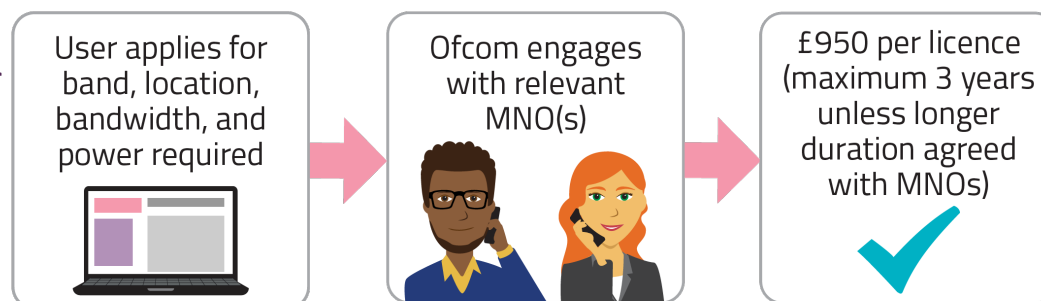
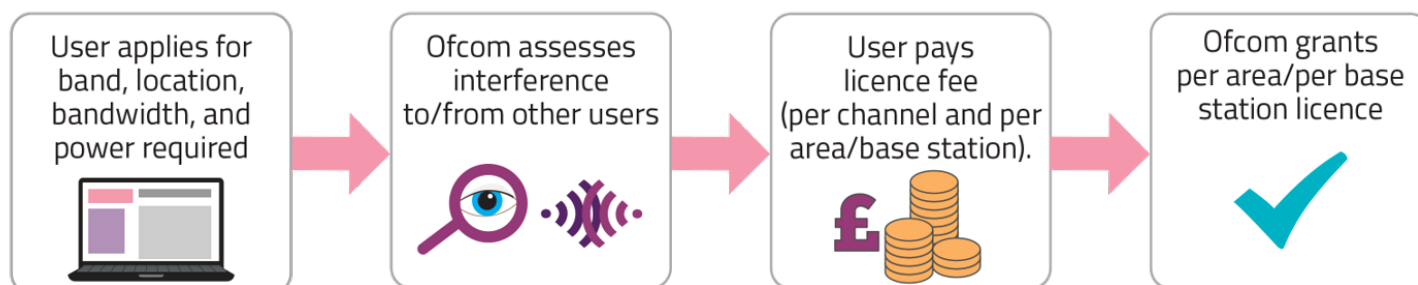
**6 GHz :** Additional 500 MHz unlicensed for indoor WiFi and very low power outdoor use

**100 -200 GHz :** Low power unlicensed use and increased power under light licence



# Our spectrum sharing framework to enable a range of different use cases and players

**Shared access licence** for access to licenced mobile spectrum, 1800 MHz, 2300 MHz, 3.8-4.2 GHz and 26 GHz → deployment within 6 months of obtaining licence



**Grazie**

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