

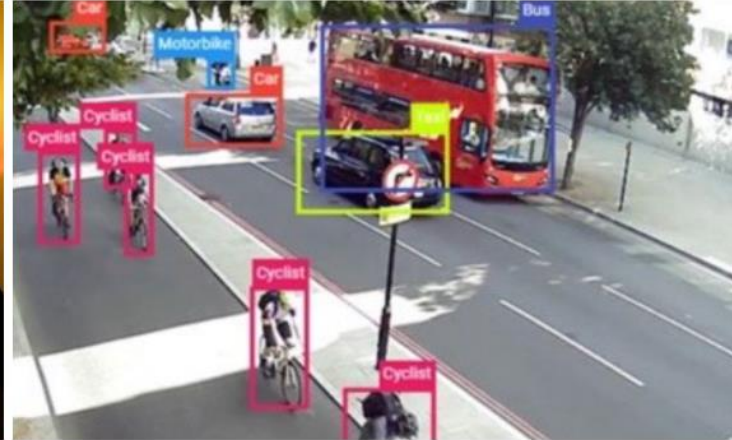
# WM5G

Investment Board update

*Leading the 4<sup>th</sup> industrial revolution  
to build a healthier, cleaner, fairer  
and more prosperous West Midlands*

13<sup>th</sup> November 2023



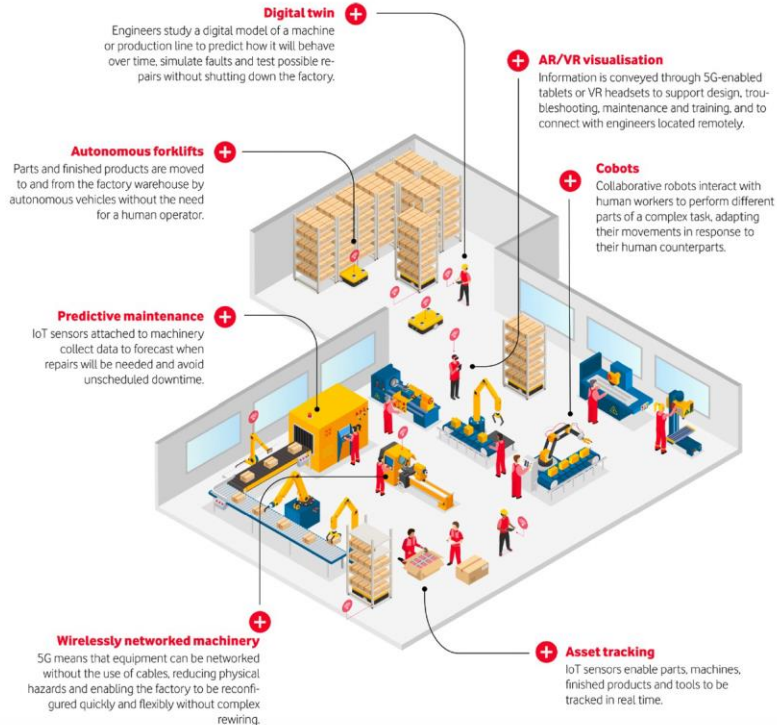


# Digital technologies continue to transform the ways we live and work



# WM5G was formed to accelerate economic growth via 5G leadership

For example: >£4 Billion GVA benefits forecast from accelerating 5G adoption in Manufacturing



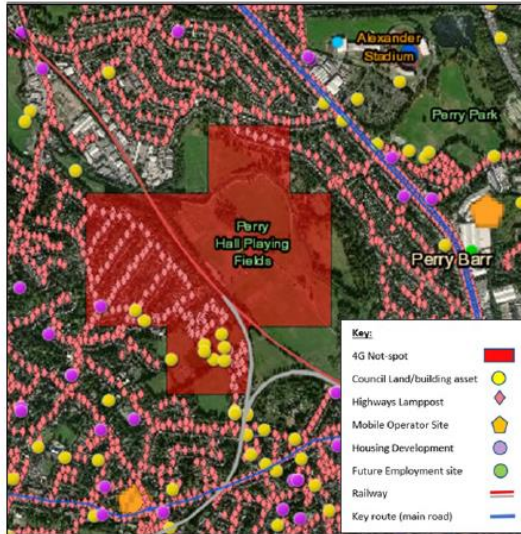
|                          | Cumulative 2021-2025<br>(£ million) | Cumulative 2026-2030<br>(£ million) |
|--------------------------|-------------------------------------|-------------------------------------|
| Wales                    | 500                                 | 1,500                               |
| West Midlands            | 1,000                               | 3,250                               |
| East Midlands            | 750                                 | 2,500                               |
| North West               | 1,250                               | 4,000                               |
| North East               | 250                                 | 1,250                               |
| Northern Ireland         | 250                                 | 750                                 |
| Yorkshire and the Humber | 750                                 | 2,500                               |

Source: WPI Economics July 2021

# Since then we've built the best connected region (outside of London) for 5G

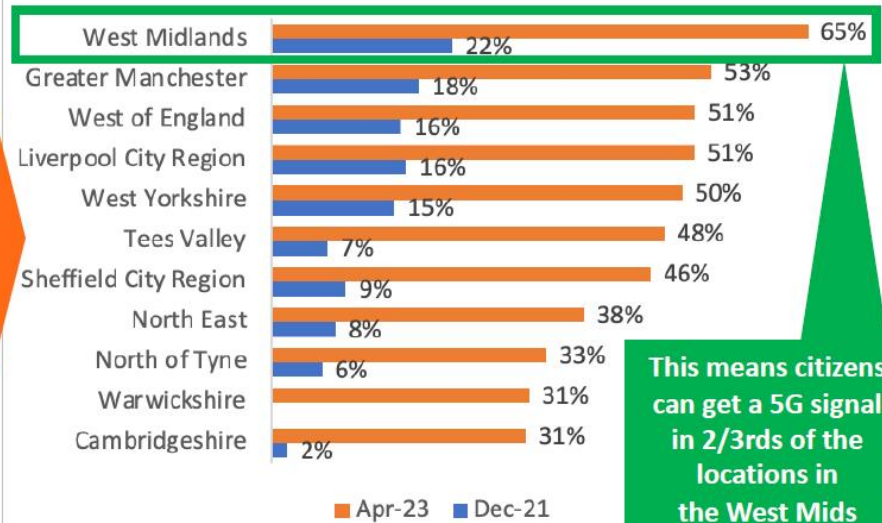
## Pioneering barrier busting programme

Making public assets available  
 Removing red tape between LAs and Mobile Operators  
 Lower costs & accelerate deployment time – accelerating investment



## Best connected region (outside of London) for 5G

### 5G Geographic coverage % by CA region



This means citizens can get a 5G signal in 2/3rds of the locations in the West Mids

Source: Umlaut, April 2023

# And delivered >£200M of transformational benefits in key sectors

Strategic Challenges:

Innovation

## Health & social care

Improve care & prevention



Pioneering early bowel cancer diagnosis trial  
 Care home trial live in 8 care homes  
 UK's 1<sup>st</sup> 5G connected ambulance trial  
 Black Country Tower Block remote care with NHS Digital & BC ICB

## Manufacturing

Improve productivity + jobs



1<sup>st</sup> real-time quality assurance trials  
 High-value asset tracking trials  
 Machine servitisation trials to boost ROCE  
 UK's 1<sup>st</sup> SME adoption programme with MTC

## Transport

Reduce congestion + pollution



UK's first 5G road sensor network live at 270 junctions  
 1<sup>st</sup> 5G connected tram  
 14 projects developing new products to support road/rail infrastructure and traveller experience

## SMEs & start-ups

Productivity + skilled jobs



UK's first 5G Accelerators launched in three cities  
 Supported over 700 SMEs with adoption  
 Green innovation challenge completed  
 Local Gov't smart cities challenge in progress

# Now we've extended the benefits we deliver in three key areas

WM5G's missions:

Connectivity is a human right, not a nice to have

Hospitals are great, but there's no place like home

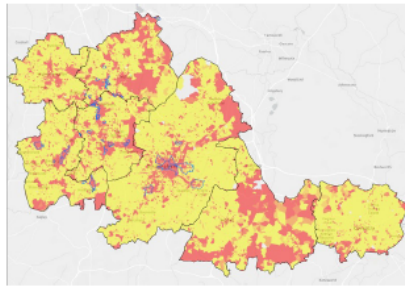
Boost SMEs growth as the backbone of our economy

Strategic challenges:

Connectivity notspots and digital exclusion

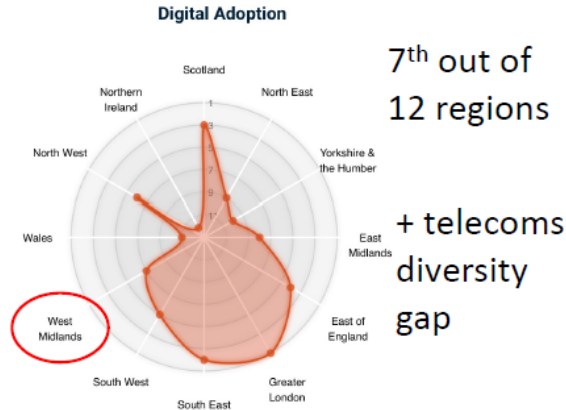
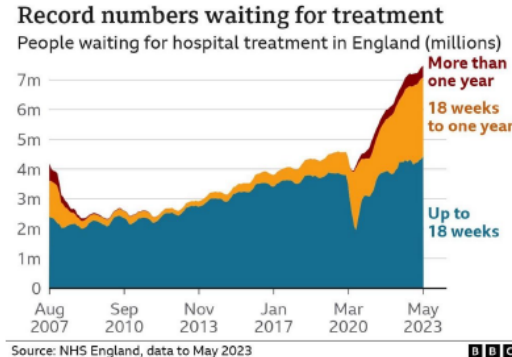
Increasing waiting lists and health inequality

Digital adoption and skills gap



Still locations with poor coverage

+ >30% of households struggling to afford connectivity



Additional priorities:

Connectivity incl. broadband + digital inclusion

Levelling-up health, care and wellness via tech

SME adoption & telecoms skills via UKTIN

# And we're committed to deliver further critical benefits by March 2025

Key priorities:

## Connectivity & inclusion

## Wellness & productivity

## Adoption & skills

Committed benefits:

- 1. Mobile: Continue and grow W Mids leadership as best connected CA region** by accelerating rollout by >6 months (+>£100m GVA)
- 2. Broadband: Accelerate full fibre broadband to at least c.100k premises or c.160k citizens** by at least 1-3 years
- 3. Inclusion: Raise awareness and take-up of social tariffs by at least 10%**

- 4. Remote monitoring: Reduce pressure on NHS and care system by providing remote monitoring services for up to 5,000 adults** needing ongoing care
- 5. Diagnosis: Extend early diagnosis for bowel cancer** using home and mobile diagnostics units
- 6. Prevention: Complement other prevention programmes like Thrive at Work** by offering digital wellness solutions for up to 200,000 W Mids employees

- 7. Skills: Increase awareness, engagement and diversity to close telco engineer skills/job vacancy gaps**
- 8. Entrepreneurship: Accelerate development of regional telco RD&I clusters**
- 9. Adoption: Accelerate adoption of 5G, IoT and data benefits amongst businesses & public services** in key clusters

WM5G has unique specialisms. It has won over £27m of HMG Funding, £16.23m of private match and has £13.68m to come. £57m total for £6.8m.

### New contract wins – last 12 months

West Midlands  
Levelling Up Growth  
Prospectus



£10m

Special Feature: WM Smart City Region

Contents

mobilenews HOME NEWS FEATURES MAGAZINE

West Midlands 5G wins £10 million contract to create the UK Telecoms Innovation Network

£1.5m

WEST MIDLANDS WINS £500,000 TO BOOST REGIONS 5G CONNECTIVITY

£0.5m

### Expected wins – next 6 months

£4m

5G Innovation Regions: £40 million funding now available

+ Telecoms skills development

£1m

#### Operating model

- Company limited by guarantee owned by WMCA
- 17 FTE split with deep connectivity, health-tech and adoption expertise + independent board

*West Midlands 1<sup>st</sup> focus – collaborate elsewhere only if material value back & strategic fit*



# WM5G is committed to be self-funding. For each £1 WMCA invests, WM5G wins £8 in external funding and delivers £54 of benefits

## Strategic benefits (recap)

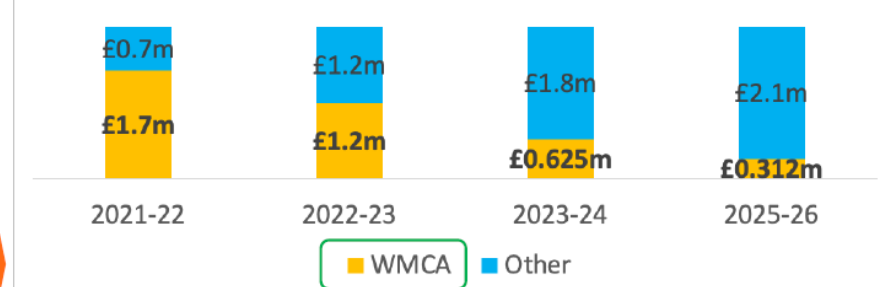
**Best connected region (outside of London)** – for mobile, broadband and inclusion

**Increased wellness & productivity, reduced health inequality** – via accelerated health-tech adoption

**Increased skills jobs, diversity and sector productivity** via accelerated adoption

## Business model

WMCA funding of WM5G has fallen by 64% from £1.7m to £625k

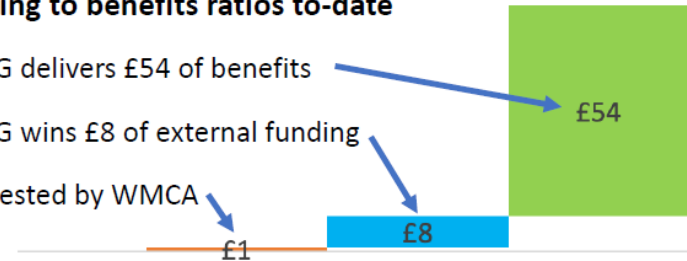


### Funding to benefits ratios to-date

WM5G delivers £54 of benefits

WM5G wins £8 of external funding

£1 invested by WMCA



# Key takeaways

- WM5G was formed to accelerate economic growth through 5G leadership
- Since then we've built the best connected region (outside of London) and delivered >£200m of benefits
- Now we're focussing on broadband, inclusion, health and adoption as well
- As a result we're on on-track to extend connectivity, wellness and productivity benefits
- WM5G is unique. It exists as a separate entity to house a team of experts
- For each £1 WMCA invests, WM5G wins £8 in external funding and delivers £54 of benefits

# Thank you