



Innovation Alliance International Study Visit

June 2021

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West Midlands 5G



West Midlands 5G created to deliver two key outcomes

2

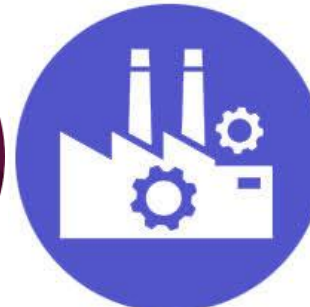
Test, prove and scale new 5G services

1

Accelerate 5G & fibre networks

Benefits

5PRING



Global hub for
Technology
innovation

5G Accelerators

5G Testbeds



5G Infrastructure Acceleration

UK's most
connected
region



Digital connectivity is more important than ever

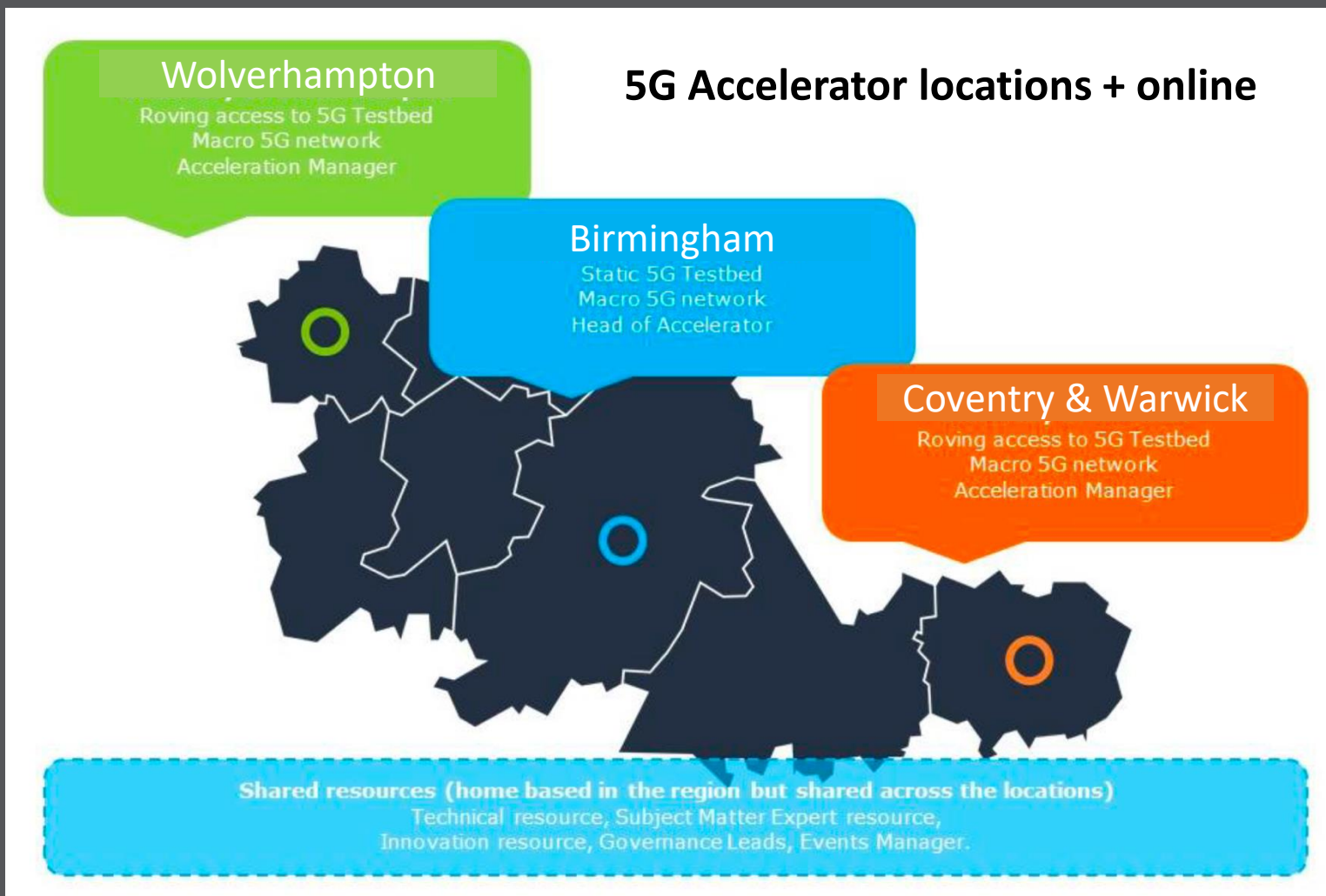
Connectivity is even more important



Innovation is needed to power recovery



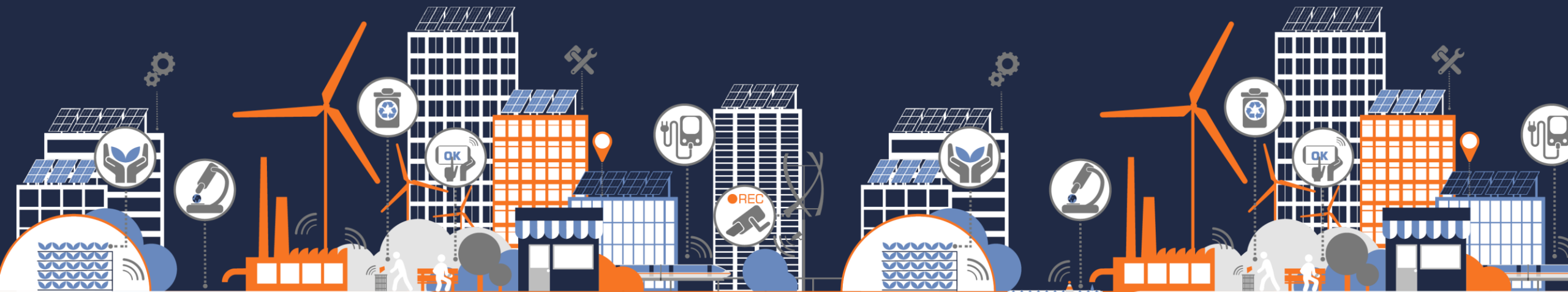
Launched the UK's first 5G Accelerators to help thousands of businesses understand 5G and develop new 5G services



- ✓ Commercial advice and support
- ✓ Access to leading triallists & investors
- ✓ Cutting edge private 5G network - with latest features before release
- ✓ Commercial 5G network - with indoor and at least 5km of outdoor coverage
- ✓ Advanced IoT sensors + devices

5PRING accelerator

Harness the power of 5G



5G Application Accelerator from



Deloitte.



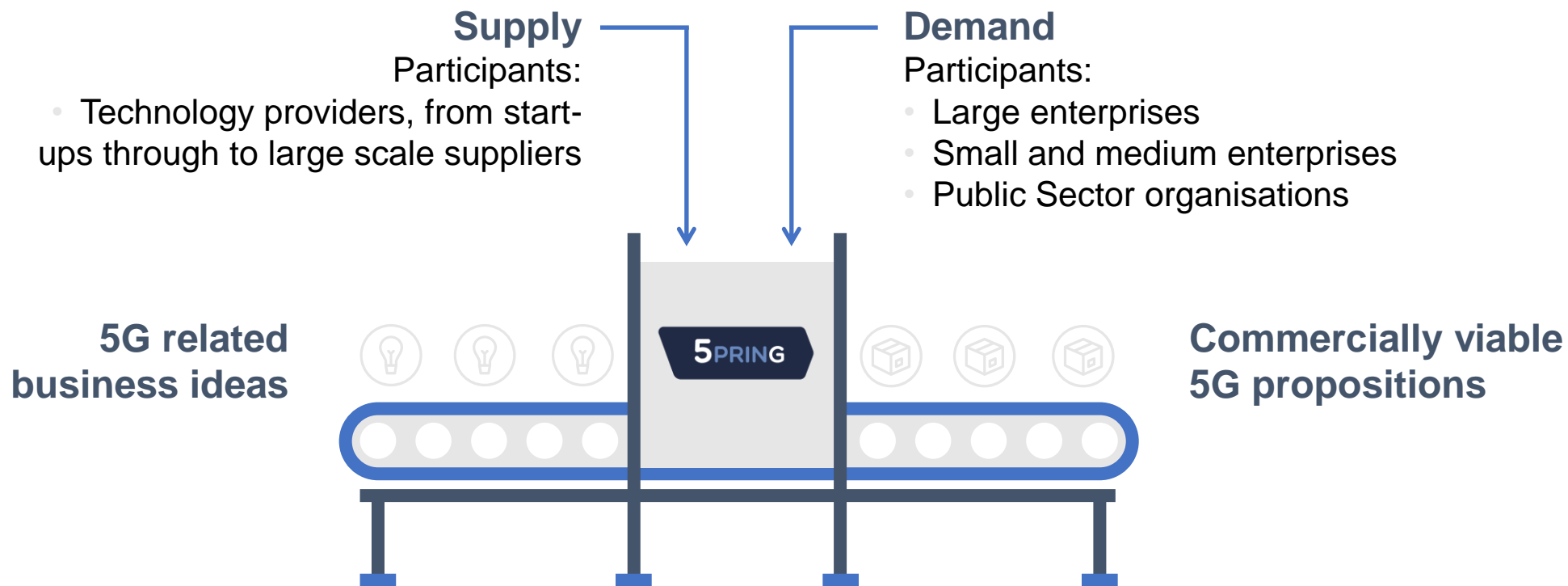
CATAPULT
Digital

5PRING

What is the 5PRING accelerator?

- Its purpose

5PRING brings together **supply and demand side businesses** to take 5G ideas and work together to turn those into **commercially viable** propositions



5PRING has made a flying start

- In its 1st year engaging with nearly 400 organisations

Launching at the start of the pandemic was inevitably going to be challenging – 5PRING quickly pivoted its approach to deliver online engagements – successes to date include:



Educate Programme

15 events introducing 385 organisations to the benefits of 5G



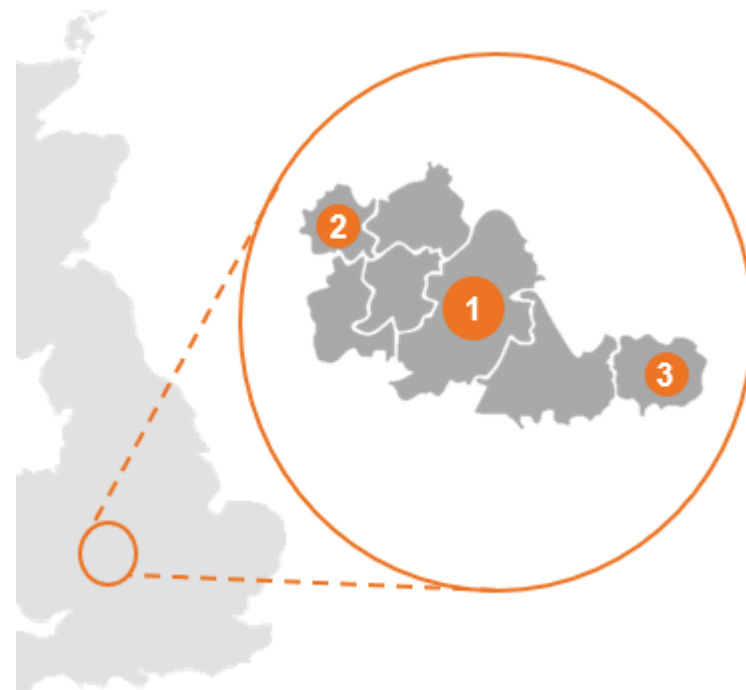
Incubate Programme

3 incubate events focusing on Covid-19, mobility and the green agenda and cyber security



Accelerate Programme

Launched the 1st innovation call and delivering the 1st accelerate event focusing on green innovation.



2021

5PRING will be running 25 introductory educate events, 6 hackathon style incubate events and 6 x 3-month deep innovation events – engaging hundreds more businesses and public sector organisations

Now as the UK emerges from lockdown, 5PRING will be utilising its facilities in Birmingham, Coventry and Wolverhampton



5PRING – What next

Green Innovation challenge – leading the way...

Current programmes – Construction and Smart Cities...

The 1st cohort:

Osmium

A remote monitoring service that can easily integrate with machines; currently Osmium is monitoring and maintaining 12 wind turbines with this service.

KC Technology

A smart traffic control system that includes smart radar-based traffic detection to monitor vehicle and pedestrian flow.

CurveBlock

A platform that opens the door for people to invest in green real estate developments.

Omniflow

A smart lamp post powered by wind and solar that transforms a regular street light into sustainable smart infrastructure.

Electric Zoo

A seamless solution to help travellers go electric the easy way.

Arrive.by

A platform that optimises the delivery of people, packages and things, providing a bespoke solution at scale for clients through the use of custom maps and vehicle profiles.

Everyware

An advanced tracking solution that provides valuable insight towards a customer's business operations, improving operational efficiencies.

Aistetic

A B2B technology platform for retailers to make fit and style more accessible to more people, leveraging computer vision and deep learning.

Westfield Technology

The world's first pure electric AI autonomous road sweeper that has a secondary job of conglomerating deliveries to houses, universities, places of work, hospitals, shopping centres and more.

Greyparrot

AI-powered computer vision software that could increase transparency and automation in recycling.

Outcomes

Year 1



- **100% of Participants across all programmes** who responded, reported an **increase in overall awareness of 5G** in their organisations due to their participation on the programme, and **98%** an increase awareness of the benefits of 5G.



- **100% of Accelerate Participants (Supply)** reported a **TRL improvement of at least one level** (the average TRL improvement, per developed use case was **2 levels**).



Supply

- **100% of Accelerate Participants (Supply)** reported a **likely increase in commitment to commercialise** new 5G based products or services.
- **80% of Accelerate Participants (Supply)** report a **likely increase of go-to-market readiness** for new 5G based products or services.
- **1st Accelerate created 9 validated used cases** (POC, prototype or demonstrator) (Supply)



Demand

- **100% of Accelerate Participants (Demand)** report a **likely increase in commitment to adopt** new 5G based products or services
- **9 validated used cases** (POC, prototype or demonstrator) (Demand)

5PRING

The West Midlands offers a unique value proposition

WM5G wants to encourage organisations outside of the region to innovate using 5G

- Join our innovation hubs - these facilities are unique – there is nowhere else organisations can access facilities like these in the UK
- In addition, with our testbeds we want to form partnerships with leading trialists – in transport, health and manufacturing

Find out how you or your organisation can benefit by visiting wm5g.com and/or registering to participate in 5prinG – it's free and online

