



# CLEAN FUTURES

Supporting the West Midlands to be at the heart of the Green Industrial Revolution

Locally-led Innovation Accelerators delivered in partnership with DSIT, Innovate UK and City Regions



Innovate UK



West Midlands Combined Authority





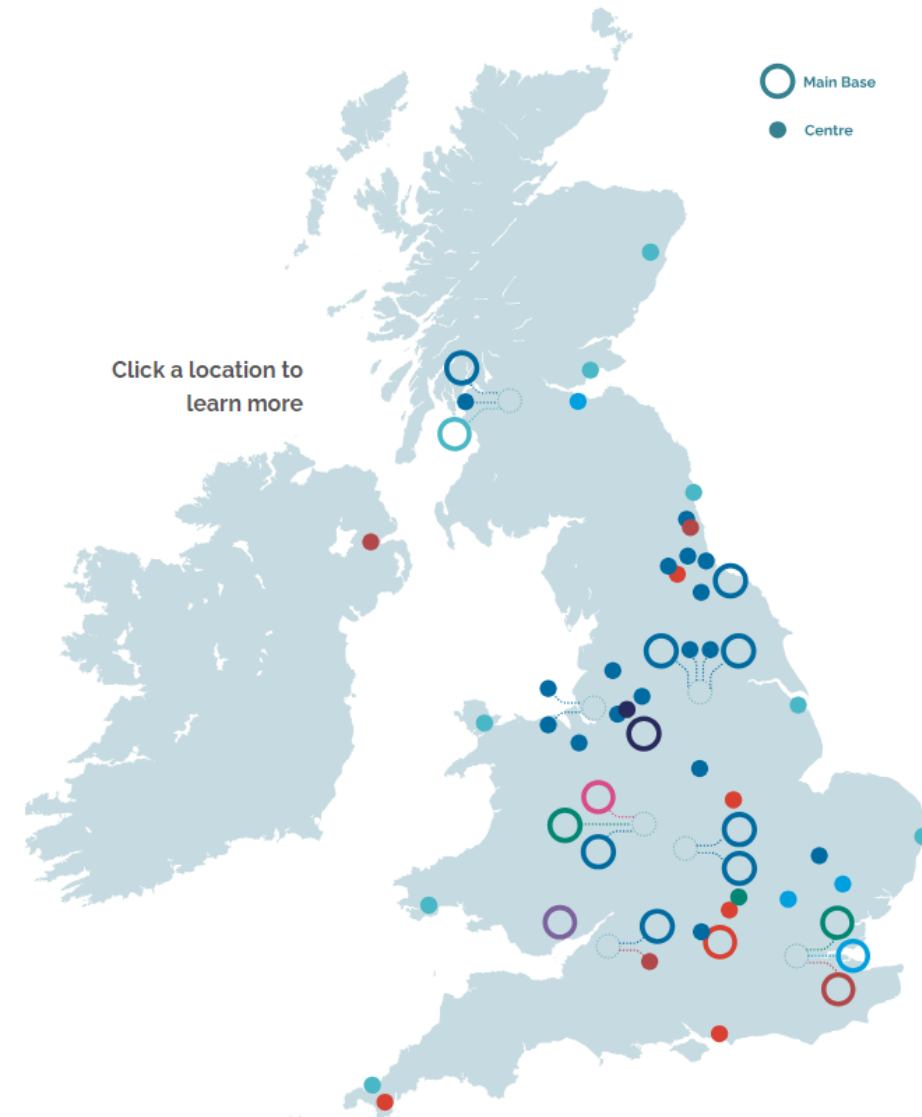
# CONNECTED PLACES CATAPULT



The Catapult Network brings together nine leading technology and innovation centres spanning over 40 locations across the UK.

We are independent not-for-profit private organisations transforming the UK's capability for innovation in sectors of strength.

Connected Places Catapult is one of the nine centres, leading in fields such as Mobility, Built Environment, Critical Infrastructure, Health & Wellbeing, Public Places and Decision Making.



- Cell and Gene Therapy
- Connected Places
- Compound Semiconductor Applications
- Digital
- Energy Systems
- High Value Manufacturing
- Medicines Discovery
- Satellite Applications
- Offshore Renewable Energy



# HOW CONNECTED PLACES CATAPULT ADDS VALUE TO ACCELERATOR PROGRAMMES

## Technical and Market Expertise

- Challenge discovery and mining
- Technology and market due diligence
- Technical support

## 4,500+ SME Network and Experience

- Scouting, scoping, recruiting
- Events
- Impact tracking

## Neutral Convening Power

- Access to market actors
- Access to commercial partners
- Access to policy makers
- Access to funding opportunities

# CLEAN FUTURES ACCELERATOR



A pioneering initiative aimed at driving economic growth and innovation in the West Midlands by supporting SMEs developing clean and sustainable solutions.

## Accelerator

40 SMEs  
Testing & Development  
Commercial Support

## Catalyst

800 organisations  
Building Networks  
Workshops, Events & Courses  
Sustainability



Opportunity



Collaborative working



Regional focus

# ROAD MAP



## SME Selection

Selecting the best 20 SMEs with innovative solutions that meet our challenges

## Development & Testing Design

The SMEs will work with partners and to create operationally sound project proposals for testing their solutions.

## Evaluation & Impact

Impact and value add of the programme will be evaluated, for the SMEs, partners and WM region.

## Challenge Setting

Working with our ecosystem to select addressable market challenges that will achieve maximum impact

## Catalyst Launch

Introducing our community that will foster collaboration and unearth opportunities and create our legacy.

## Development & Testing Delivery

SMEs will carry out their development and testing projects in collaboration with partners. Commercial support will be delivered.

# BENEFITS

We're excited to work with you!

Gain access to front line innovation and industry insight that will accelerate your business.

- Up to £50k cash contribution for development and testing
- Use of world leading test facilities from BCIMO and Coventry University
- Join a community to forge new collaborations
- Commercial support to help your business grow
- Opportunity to showcase solutions to key industry stakeholders
- Increase investment readiness
- Insights from buyers and supply chain
- Access to cutting edge research
- Respond to real world challenges from industry leaders



# PROJECTED PROGRAMME IMPACT



**40**  
SMEs to be Accelerated



**≤£50k**  
Per SME



**£2m**  
In-kind contribution from SMEs



**£2m**  
Trial funding



**35+**  
Trials



**66**  
Jobs will be created



**£30m**  
Investment to be raised



**£18.5m**  
CR&D & Commercial revenue



**800**  
SME introductions to be facilitated



**10**  
Events to be held

# ACCELERATOR CHALLENGES



The challenges in this accelerator have been developed around the Very Light Rail and automotive manufacturing sectors, along with related supply chains



**Greener EV components:** Design or produce components which reduce embodied carbon across the vehicle lifecycle

1



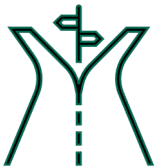
**Circular Economy of transport:** Design or manufacture solutions to reuse or recycle batteries and other vehicle components

2



**Road freight alternatives:** Design or produce systems or sub-systems enabling alternatives to traditional road freight, including using existing infrastructure, facilitating multi-modal freight transportation and exploring shared transport solutions

3



**Greener transport infrastructure:** Design or produce cost-effective solutions for clean transportation infrastructure

4



**Future Fuels:** Produce, transport or store alternative fuels such as hydrogen, biofuels or synthetic fuels

5



# TEST FACILITIES



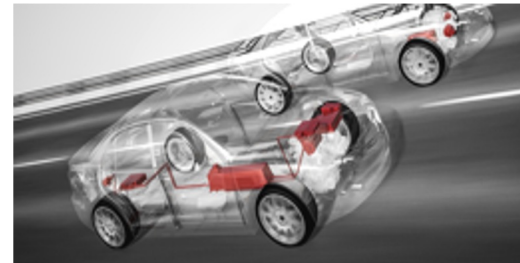
## BCIMO

- 2.2km rail test track
- 15m radius test loop
- 870m long tunnel with test track
- World first rail rapid charger, supporting up to 450kw
- Split level platform
- Mule vehicles
- Mobility hub



## Coventry University

- E-mobility and clean growth
- Manufacturing and materials
- Design and human factors
- Advanced systems

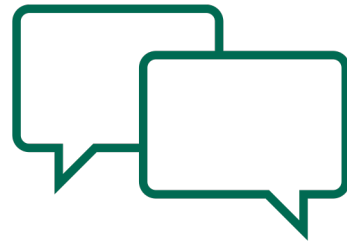


# CLEAN FUTURES CATALYST



Creating a community, ensuring sustainability

- Bringing together 800 organisations with one clear goal, net-zero by 2041.
- Drive engagement and understanding of the need to decarbonise in the West Midlands Business Community
- Create collaborative opportunities for the community to engage and learn.
- Educating the business community – meeting the skills need for increasing the demand for clean innovation



# THANK YOU

Any Questions?

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