Electric Light Vehicles and Battery Storage Cluster

Overview for the Economic Growth Board



Daniel Cox, Senior Technology Officer 6 March 2024



Content



Context of Cluster

WMG's complementary activities

Cluster Role and Leadership

Organisation of cluster

First year plan

Asks of the Economic Growth Board





Context: The Electric Light Vehicles and Battery Storage

West Midlands Plan for Growth identified 8 industrial clusters for prioritised growth, based on regional comparative advantage, employment and wage levels, business confidence and further market opportunities: (Productivity improvement is a key theme that should underpin them all the should underpin the s

- 1. Manufacturing of electric light vehicles and associated battery storage devi
- 2. Health-tech and med-tech
- 3. Aerospace (including alternative fuels)
- 4. Logistics and distribution
- 5. Professional and financial services and supply chain
- 6. Creative content production and gaming
- 7. Manufacturing of future housing
- 8. Modern and low carbon utilities







3

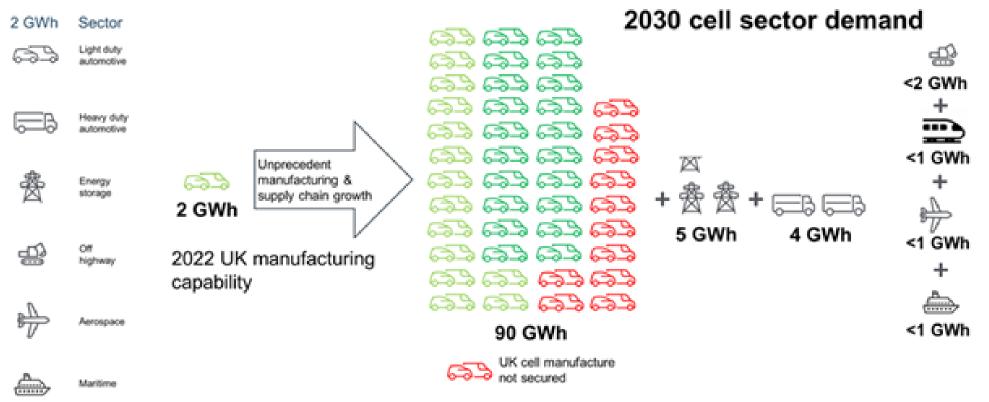


Context: The Faraday Battery Challenge

However Automotive still dominates UK Battery demand across sectors



4





Rail

Consistent legislation & sustained support is required to enable the R&D and battery manufacturing ramp up to support the £67Bn/yr auto sector

Policy Support

Steering group for UK Battery Strategy

House of Lords electric vehicle inquiry

Launch of UKBIC

Faraday Battery Challenge

Influence

On the advisory board of the Faraday Battery Challenge

On the advisory board of the Automotive Council's technology group

On the ATI's advisory board

Knowledge

Forefront of research for the UK's transport de-carbonation and energy integration needs

5

Centre of excellence for connected and autonomous vehicle research

Strong and direct links to industrial partners



Role:

The Cluster is a leadership group to bring together representatives from across the West Midlands ELV and Battery Storage ecosystem, facilitating a credible and recognised group to leverage its strengths, assets, sector specialisms and organisations to collectively develop the strategies, future direction to drive regional growth.

The Cluster is not to replace national initiatives and organisations.

Leadership:

WMG will take responsibility for coordination and facilitation of the Cluster's four working groups plus its stakeholders in an 'advise and convene' manner.

WMG will bring out the voice of industry and public for priorities relating to the Cluster to input into the

The primary objectives shall be to represent, promote, and advance the interests of the Cluster



Cluster Organisation

Advisory Board:

- Investment zone / Innovation zones
- **Regional innovation interventions**
- Marketing the region as a cluster

- Curating the cluster (gap filling)
- Securing private investment
 - Digitalisation and "the bottom line".
- Small business support ٠
- Business "pivots"
 - Skills provision and uptake

Battery Manufacturing

- Securing gigafactory manufacture and R&D
- Creating supply chains (up- and down-stream)
- Addressing regional headwinds
- Increase productivity and competitiveness

Propulsion Systems

- Secure manufacture of motors and drivelines
- Create upstream and downstream supply chains
- Anchor innovation in the region

place

Diversify across sectors (Aero/rail/marine/...)

Micromobility:

- Regulation / legislation sandbox opportunities
- Infrastructure and deployment
- Increase regional industrial R&D
- Create future supply chains

Vehicle innovation and supply chain

- Increased greenshoring to the region
- Increasing R&D in OEMs and supply chains
- Identify and address R&D infrastructure gaps
- Lightweighting and sustainability





Advisory Board and Battery Manufacturing in

First Year Plan for leadership activities

First 3 months

Establish the Secretariat

*Representation in place *Cadence in place *Governance operational

Organise the Cluster's activities to exploit the opportunities. Its representatives are envisaged to meet around eight times a

support

Second 3 months Short-term vision

*Statement on the interests of the Cluster *Statement of priorities of opportunities *Exploitation approach defined *Subgroups defined

Define success and prioritise opportunities. Define subgroups linked to cluster opportunities and responsibilities.

Second half of

year Purpose for the Cluster Long term vision

*Applicable existing interventions to the Cluster and its interest identified

*Pioneer group of businesses (>3 <10) consulted

*Define future interventions

Testing with an initial number of businesses to verify the short-term vision

*Advise on creation of the tailored interventions *Subgroups established with their own governance *Follower groups of business consulted through the subgroups (one each)

Crystalise the scope of the Cluster's role. Establish subgroups linked to cluster opportunities and





8

Asks of EGB: Context and delivery

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Good communications of their vision for economic

growth so to best align the Cluster activities

Swift access to funding for specific work packages as they are identified to support the leadership





9