

# Electric Light Vehicles and Battery Storage Cluster

## Overview for the Economic Growth Board

Daniel Cox, Senior Technology  
Officer

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**Context of Cluster**

**WMG's complementary activities**

**Cluster Role and Leadership**

**Organisation of cluster**

**First year plan**

**Asks of the Economic Growth Board**

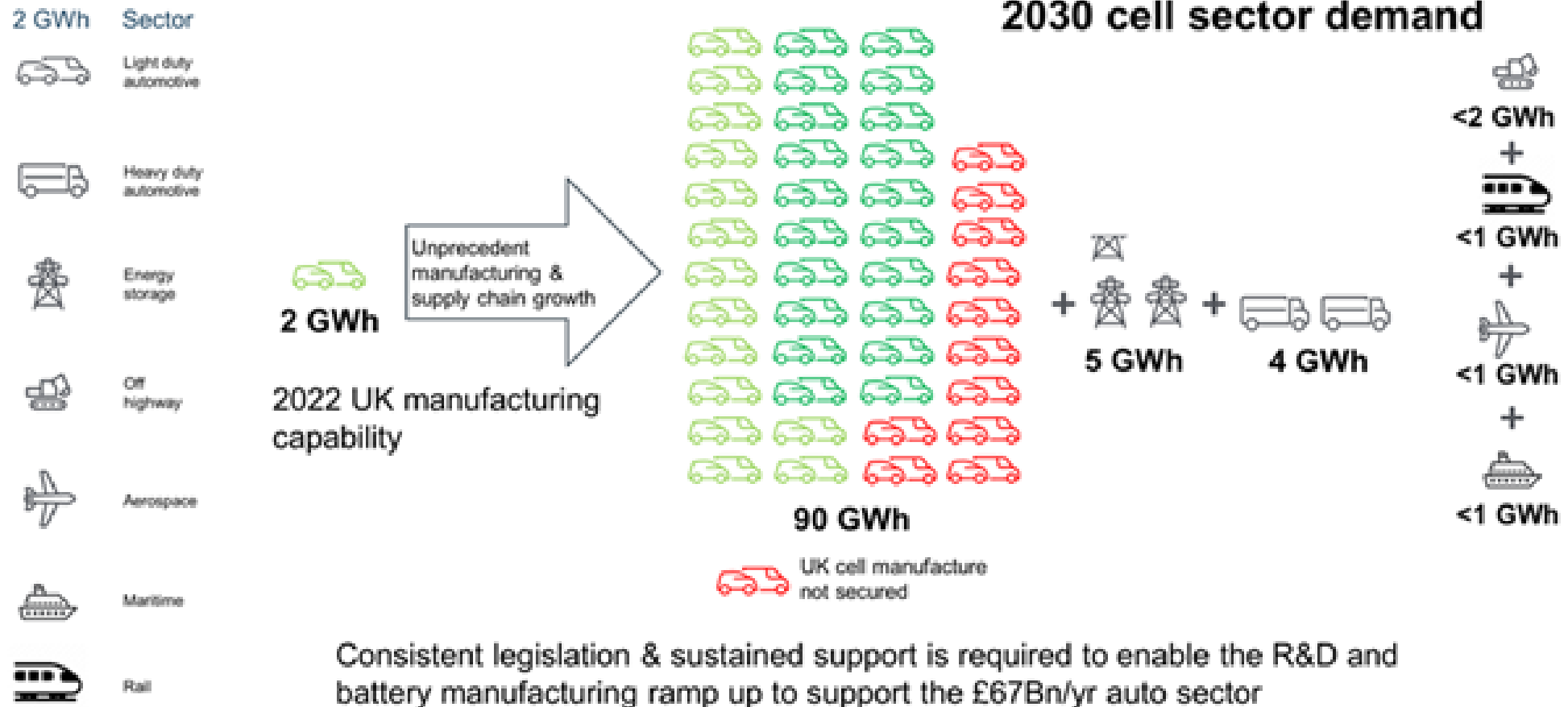
# Context: The Electric Light Vehicles and Battery Storage

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)

1. **Manufacturing of electric light vehicles and associated battery storage devices**
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



## However Automotive still dominates UK Battery demand across sectors



## 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

Centre of excellence for connected and autonomous vehicle research

Strong and direct links to industrial partners

# Cluster Role and Leadership

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## 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

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

## Micromobility:

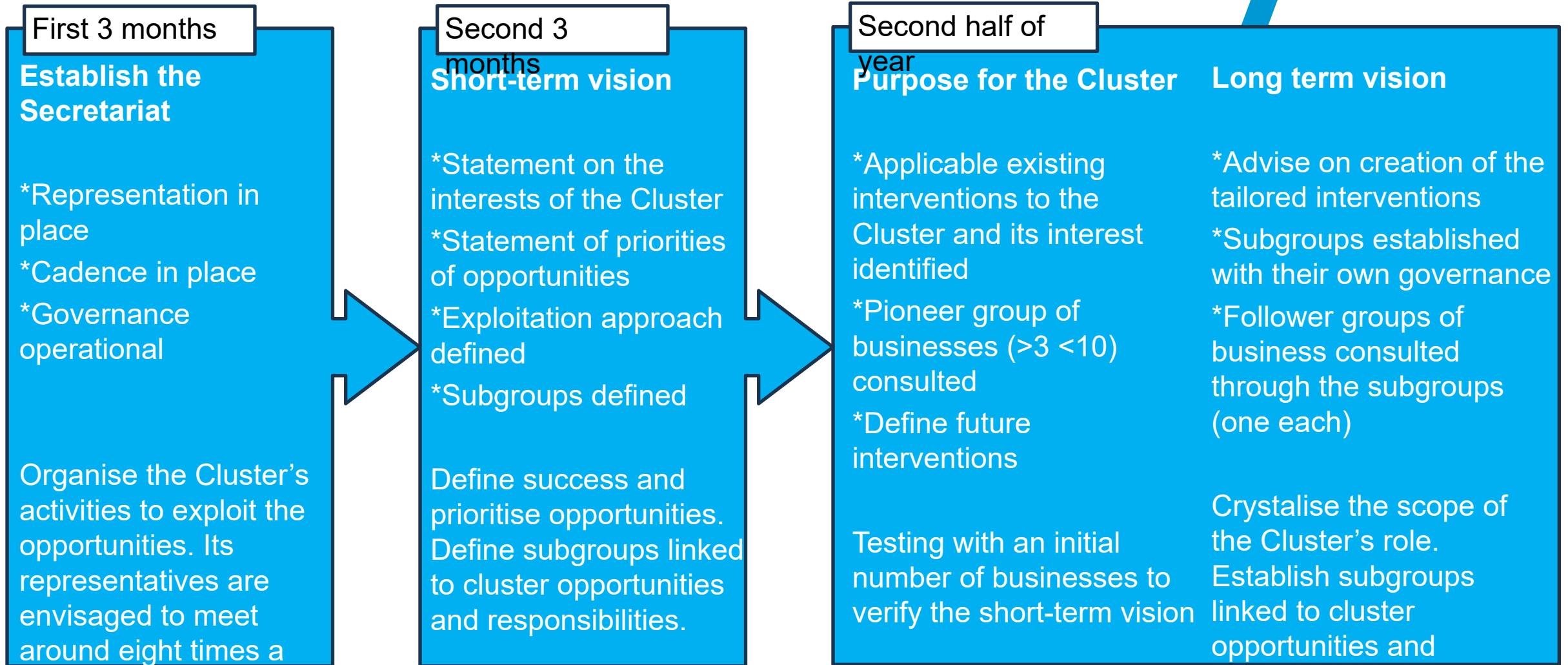
- Regulation / legislation – sandbox opportunities
- Infrastructure and deployment
- Increase regional industrial R&D
- Create future supply chains

## 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

# First Year Plan for leadership activities

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Asks of EGB: Context and delivery

support



**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**

**activities**