



MIA CTS 16 October 2025 The Motorsport Engineering & Technology Show

DRIVE35: Discover your funding journey

Dan Bunting
APC Head of Business Development

Our Sector Plan introduced a significant number of commitments to boost UK automotive growth...

“Taken together, these commitments represent the biggest set of automotive announcements in over a decade”.



*Business Secretary
Jonathan Reynolds MP*

The DRIVE35 grant funding initiative, £2bn to 2030 in capital and R&D funding, plus an additional £500m R&D to 2035

CAM Pathfinder, £150m additional funding to 2030, alongside the Automated Vehicles Act 2024

EV supply chain investment via the National Wealth Fund, combining its suite of financial products with grants and other HMG instruments

Updating the ZEV Mandate, so that manufacturers have greater flexibility in complying, easing the transition

An Automotive Technology Strategy in 2026, developed with industry to target our investment programmes and underpin our industrial policy

Up to £99m to 2030 to support SMEs to take up advanced technologies via our Made Smarter programme

International technology partnerships, leveraging our IP to boost industry ties and maximise foreign direct investment

Our new Battery Innovation Programme, £452m to 2030 to support next-gen battery R&D and develop safety standards

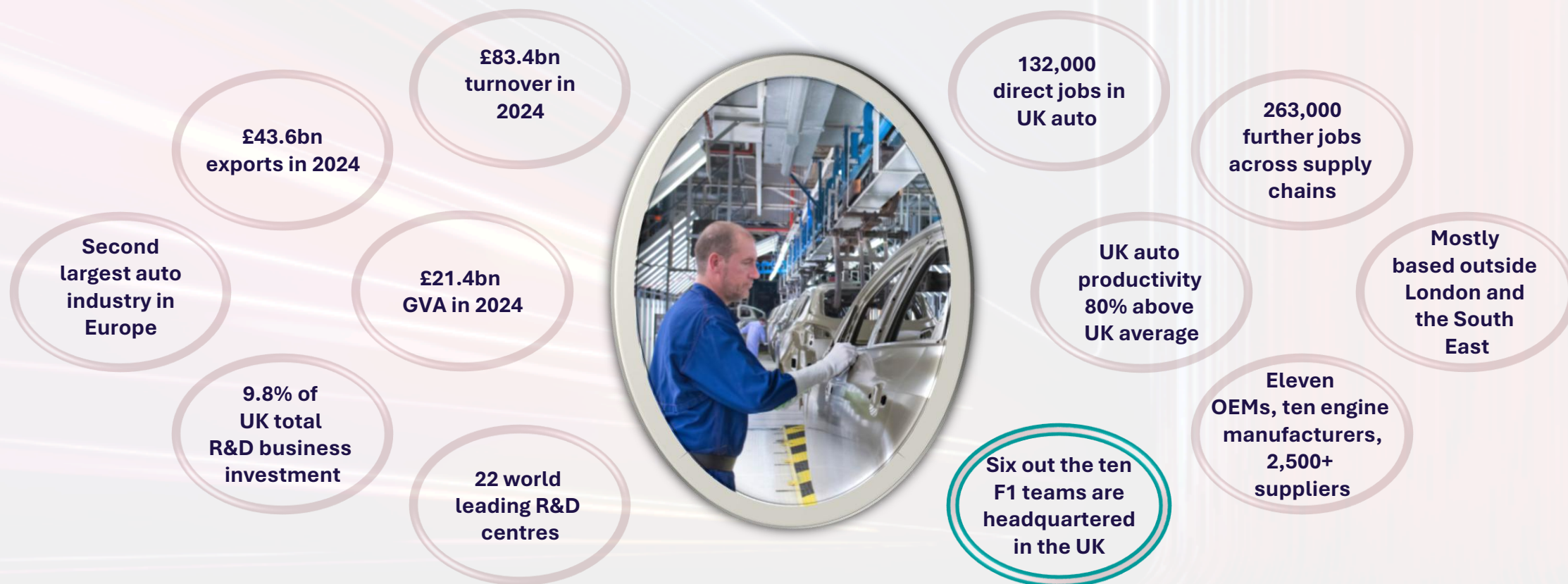
Clustering EV manufacturing, starting from a pilot with the NE and WM to generate a blueprint for other areas across the UK

£15.6bn for Transport for City Regions, empowering local leaders and driving demand for UK-based bus manufacturing



UK automotive is a key driver of growth

Built on a rich industrial heritage, the UK automotive industry is dynamic, diverse, and rapidly evolving. It is the second largest in Europe, a major investor in R&D, boasts productivity well above the national average, and makes a significant contribution to the UK economy.



We will drive automotive growth to increase the volume of vehicle made in the UK to over 1.3 million cars and commercial vehicles by 2035

APC & Zenzic play a unique role supporting the automotive ecosystem



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PROPULSION
CENTRE UK



Department for
Business & Trade

ZENZIC⁺



Offering expertise and cutting-edge knowledge

With a combined experience over many years



Identifying where investment will be most effective

Mapping the future development opportunities in zero-emission technologies



Leverage expertise

Bringing together government, industry and academia to deliver game-changing research and insight



ZENZIC⁺

Building project consortia

Combining the knowledge and innovation of manufacturers, SMEs and academia



Ensuring match-funding support is well spent

Using a comprehensive and competitive process to identify the strongest prospects



Supporting key low-carbon initiatives

Accelerating additional development in battery and autonomous vehicle technology



Established 2013, together we've already delivered substantial benefits



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Automotive Transformation Fund (ATF)

~£6bn

Private capital
investment attracted
across capital & R&D
programmes

>6,000+

Jobs created /
safeguarded

**Supply chain
focused**

From battery raw materials to
electric motor manufacturing

354

Low-carbon projects



59,000+

Jobs created /
safeguarded

1 million+

Vehicles use
APC-supported technology



614

Project Partners



425 million+

Tonnes of
CO₂ savings



£1.65bn+

Investment
facilitated



£2bn

To 2030 plus £500m to 2035 in partnership with the Department for Business and Trade, Innovate UK, and the Advanced Propulsion Centre UK

3 Strategic Funding Priorities

Supporting INNOVATION

Concept design to late-stage R&D

£0.5m up to £25m available, project duration from **12 to 36 months**, depending on selected stream

Accelerating SCALE-UP

Validation and process delivery

£750k up to £20m available, project duration from **12 to 72 months**, depending on selected stream

Enabling TRANSFORMATION

Industrial deployment at scale

**Vehicle Assembly
Supply Chain Development**

UK funding journey - simpler, clearer and faster



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UK Funding Journey

ENABLING
TRANSFORMATION

Automotive Transformation Fund

ACCELERATING
SCALE-UP

Scale-up Fund

Feasibility Studies

SUPPORTING
INNOVATION

Collaborate

Demonstrate

Mobilise

INNOVATION - New scope themes



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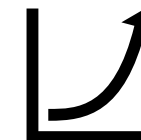
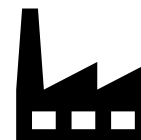
DRIVE35
Innovation
Fund

ZEV* technologies

Piloting these new themes

Manufacturing
competitiveness and
productivity

Software defined
vehicles and electrical
architectures



**Scan to learn more
about DRIVE35!**

Enhancing Manufacturing competitiveness



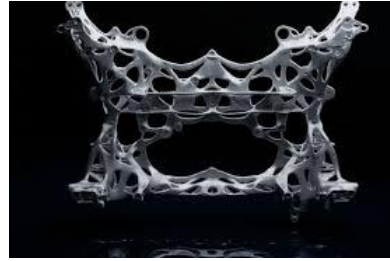
Use R&D innovation to improve the efficiency, productivity, and cost-competitiveness of manufacturing plants and their supply chains enabling the competitive transition to manufacturing of zero-emission vehicles in the UK and/or lowering embedded carbon emissions in the manufacturing process.

- Digital tools
- Lean (waste reduction/circularity)
- Automation
- Process decarbonisation

Supports all components involved in vehicle Manufacture.



Project Pivot



- Casting is the most complex of manufacturing techniques
- Overhauling the design, weight, carbon emissions and production of cast aluminium components
- Leveraging advanced metal solidification, digital-twin simulations, and ground-breaking design with the adoption of recycled low-carbon alloys. Using 100% recycled aluminium to further advantages of use for lightweighting vs steel.
- Reducing carbon emissions from extractive-mining, significantly lowering embedded CO₂ with adoption of fully recycled aluminium with 95% lower embedded CO₂
- Removes complexity and time-constraints for lighter, stronger castings by creating a one-stop software solving casting performance

Cost - £5.8M / Grant - £2.9M



Project SCALE-UP



- SCALE-UP supports JLR's Reimagine strategy
- Addresses the challenge of high-volume sustainable lightweighting in EV's by using design for composite material use and will deliver four key innovations:
- sustainable material analysis to lower CO₂ and benchmark against existing alloy;
- high-volume manufacture of lightweight material delivering state-of-the-art production volume;
- production scale-up of formable high-performance recycled carbon fibre;
- use of digital modelling tools predicting feasibility and performance of the final product(s)

Cost - £6.3M / Grant - £3.1M





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Scaling your manufacturing from R&D to commercialisation



Stage	Concept	Lab scale / workshop	Pilot line (low-volume manufacture)	Demonstration line (mid-volume manufacture)	Industrial plant (high-volume manufacture)
Description	Innovation of new tech concepts	Initial prototypes from manual lab or workshop	Initial production line	Single FOAK line representing scaled-up workflow	Full scale manufacturing
Flexibility and output	Complete flexibility, no process	Very high flexibility, manual process	High flexibility, low volume output	Medium flexibility and volume output	Very little flexibility, very high output
Development stage output	Early prototypes	Research to deliver prototypes and show product attributes	Process development to pilot initial critical process steps	Process development to demonstrate production at rate with QC	Customer product at full production scale
Commercial milestone delivered	Proof of Concept	Paid trials / 1 st offs	1st adaptor programmes	Secure increasing offtake	Volume programmes
Feasibility Study scope	No	No	Yes	Yes	Yes
Facility support mechanism	Innovation	Innovation	Scale-up Fund	Scale-up Fund	Automotive Transformation Fund

UK Funding Journey

ENABLING TRANSFORMATION

Automotive Transformation Fund

ACCELERATING SCALE-UP

Scale-up Fund

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HALEWOOD

Total Investment £380M
343 Jobs will be created
417 Jobs will be safeguarded
420K E-Drive Units per annum



ATF Supported Full
Scale Manufacturing in
Halewood



APC 18
Eprime Consortium
Motor Manufacturing Development Centre
Dunton UK



APC 25
ESteel Consortium
Motor Lamination Development Centre
Dunton UK



CAM Pathfinder

The next steps for CAM in the UK



ZENZIC⁴

Introducing CAM Pathfinder

"To address the complexities in commercialising CAM vehicles, we will increase funding to our CAM Pathfinder programme with a further £150 million extending it until 2030"



Centre for Connected
& Autonomous Vehicles

ZENZIC



Innovate
UK



Near market
opportunity areas

Meaningful
paths to scale

Anchoring
UK innovation

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CAM PATHFINDER



Championing the UK Connected and Automated Mobility ecosystem

Created to bring together industry, government, and academia to enable the development and deployment of CAM in the UK.

Insights

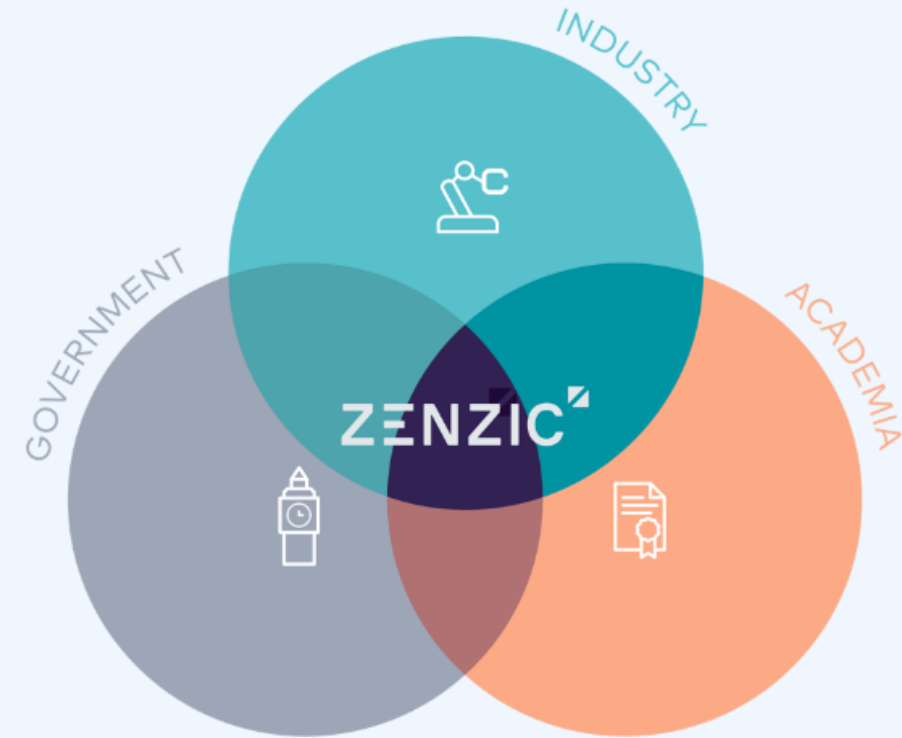
Hold the strategic vision and roadmap for the UK CAM ecosystem, providing informed guidance to government, industry and academia.

Innovation

Accelerating new technology by channeling meaningful investment, through targeted CR&D and SME funding programmes.

Collaboration

Provide the trusted brand and front door to a collaborative CAM supply chain, promoting and driving inwards investment.

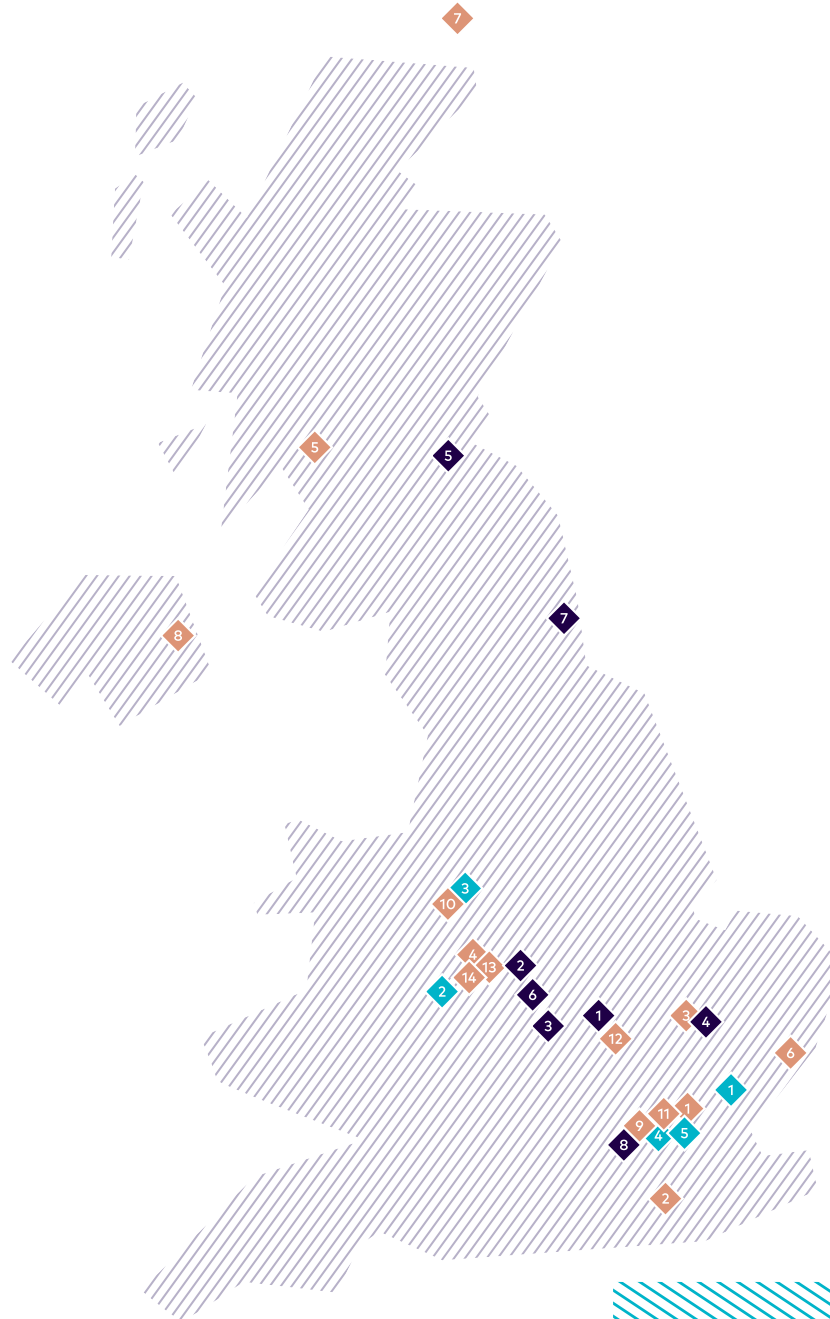


Effective Innovation relies on both Insights and Collaboration.



Feasibility Studies

- 1 London Bus Depots
- 2 Autonomous Impact Protection Vehicle
- 3 CitiPod
- 4 EFREIGHT
- 5 GAMMA – Glasgow Automated Mobility Mass-Transit Accelerator
- 6 ADAstra Feasibility Study for Self-Driving Shuttles in Mobility Hubs
- 7 Kirkwall Autolink
- 8 NAVIGATES – Networked AV Integration and Governance with Advanced Technology and Security
- 9 Runway to Autonomy – Removing NUIC Obstacles for Autonomous Baggage Handling Vehicles
- 10 MAEVe
- 11 Unified Neutral Net-Radar
- 12 Opt Tech 4 Auto & RC
- 13 Dora – Developing Objective and Quantifiable Risk Assessment for CAV
- 14 CAM4Events – Exploring Deployment of CAM Technologies and Services for Events



Mobilise

- 1 Antobot
- 2 D-RisQ
- 3 Evie Autonomous
- 4 Minimal
- 5 SAIF Autonomy

Enhancements

- 1 StreetCAV Plus
- 2 SCALE 2
- 3 RAMP Ready
- 4 Connector 2
- 5 AutonoBus
- 6 Sim4CAMSens 2
- 7 P-CAL
- 8 DriveSAFESim

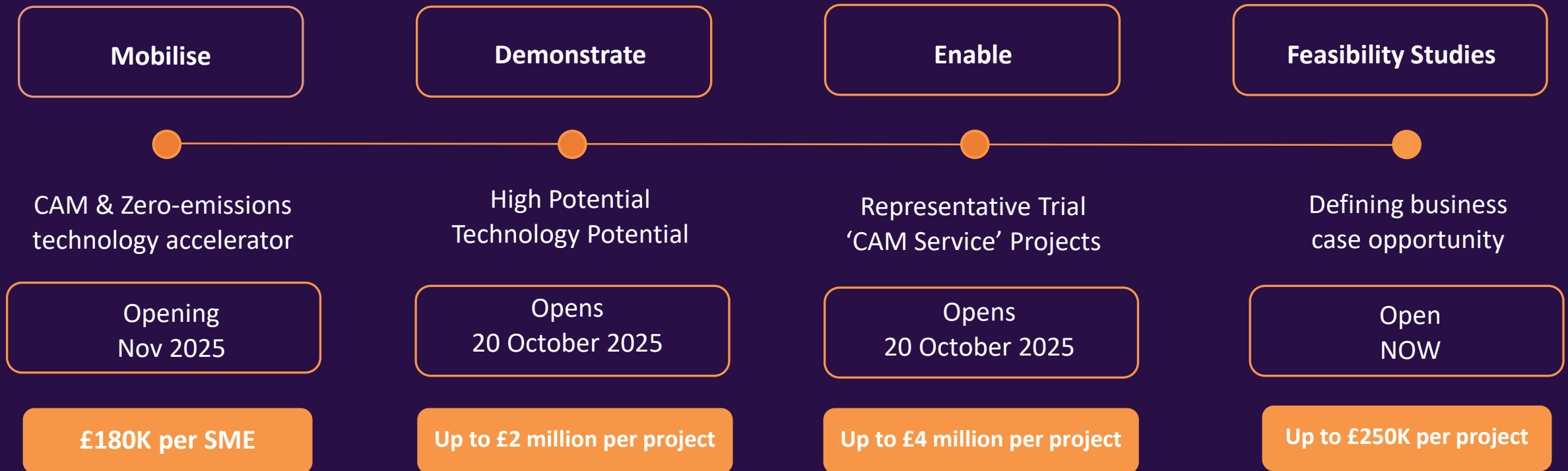
Five CAM Mobilise projects

Eight Enhancement projects

Fourteen Feasibility Studies

CAM Pathfinder

Funding opportunities



Contact

APC & Zenzic Business Development Team



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*Head of Business
Development*



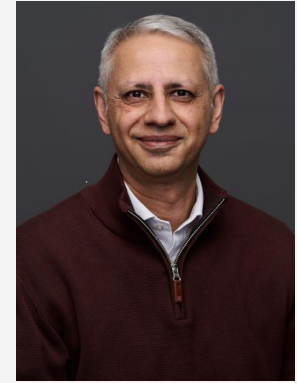
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DRIVE35

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Drive 35 - Enhance Manufacturing Competitiveness



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Digital Transformation

- Integration of digital tools within manufacturing process
- Use of AI
- Digital Twins
- Vision Systems
- Internet of Things (IoT)

Manufacturing Process Decarbonisation

- Switching Processes to use non-fossil energy sources
- Innovations enabling reduced energy consumption within manufacturing process
- Includes Capture & Re-use

Lean Manufacturing

- Implementation of Innovative lean principles to improve circularity of materials used in processes
- Reduce their environmental impact and improves efficiency
- Including use of advanced automation techniques

Supply Chain Development

- Initiatives for suppliers to improve their processes, capability and capacity for R&D and subsequent industrialisation
- Flexible production lines to service multiple customers to lower capital investment
- Build UK capability to enable market access and sustainability