

Horizon Europe: UK–EU CCAM Collaboration Webinar Series 2025

WEBINAR 1- Driving Innovation Together: UK–EU Connected and Automated Mobility

24th Sept 2025

www.iukbc.org.uk



Innovate
UK

Business
Connect



Welcome –



The Opportunity for the UK in Horizon Europe CCAM

UK is an Associated Country to Horizon Europe – full eligibility to coordinate and participate in projects.

18 EU Projects



UK Organisations in CCAM projects

The Opportunity for the UK in Horizon Europe CCAM

UK is an Associated Country to Horizon Europe – full eligibility to coordinate and participate in projects.



18 EU Projects



UK Organisations in CCAM projects

COMMERCIALISING CAM Projects (2022-25)



Sample of companies in UK CAM ecosystem



Funding Focus - All UK organisations are fully eligible for Horizon Europe funding

Topic Number	Title	Budget (€M)
HORIZON-CL5-2026-10-D6-01	Flagship-pilot: large-scale demonstrations of CCAM	100.00
HORIZON-CL5-2026-10-D6-02	Geopolitical competition and socioeconomic resilience in CCAM: an innovation and policy roadmap for EU leadership	4.00
HORIZON-CL5-2026-10-D6-03	Generative AI for smarter CCAM: enhancing perception, decision-making, and validation	14.00
HORIZON-CL5-2027-06-D6-04	Holistic solutions for CCAM integration in critical scenarios	6.00
HORIZON-CL5-2027-06-D6-05	European CCAM knowledge hub and tools for safe and scalable deployment	4.00
HORIZON-CL5-2027-06-D6-08	Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity (Societal Readiness pilot)	21.00



DRAFT Cluster 5: Climate, Energy & Mobility Work Programme for 2026 and 2027.

Horizon Europe Brokerage Visits 2025/2026

Automotive Mobility brokerage event in Belgium - 10-12 February 2026 - Automotive Mobility (apply by 30 Sep) - The RTR 2026 conference will coincide and will be part of this visit. <https://rtrconference.eu/>



Speakers



David Webb

Head of Innovation,
Centre for Connected
and Autonomous
Vehicles (CCAV)



Christian Merkt

CCAM Association
Chair



24/09/2025

Driving Innovation Together – Horizon Europe CCAM Webinar Series Launch CCAM Partnership overview



ccam.eu

Content

01

About

Why does the Partnership exist, who are we and what do we stand for?

02

Status and upcoming calls

What are the current and upcoming CCAM Partnership projects?

03

Current CCAM-UK cooperation

What cooperation is already ongoing?





About

Why does the partnership exist, who are we and what do we stand for?



European leadership in safe and sustainable road transport through automation

—
Strengthen competitiveness of European industries

—
Increase safety in road transport

—
Reduce negative impact from road transport on environment

—
Ensure inclusive mobility and good access for all



Co-funded by
the European Union

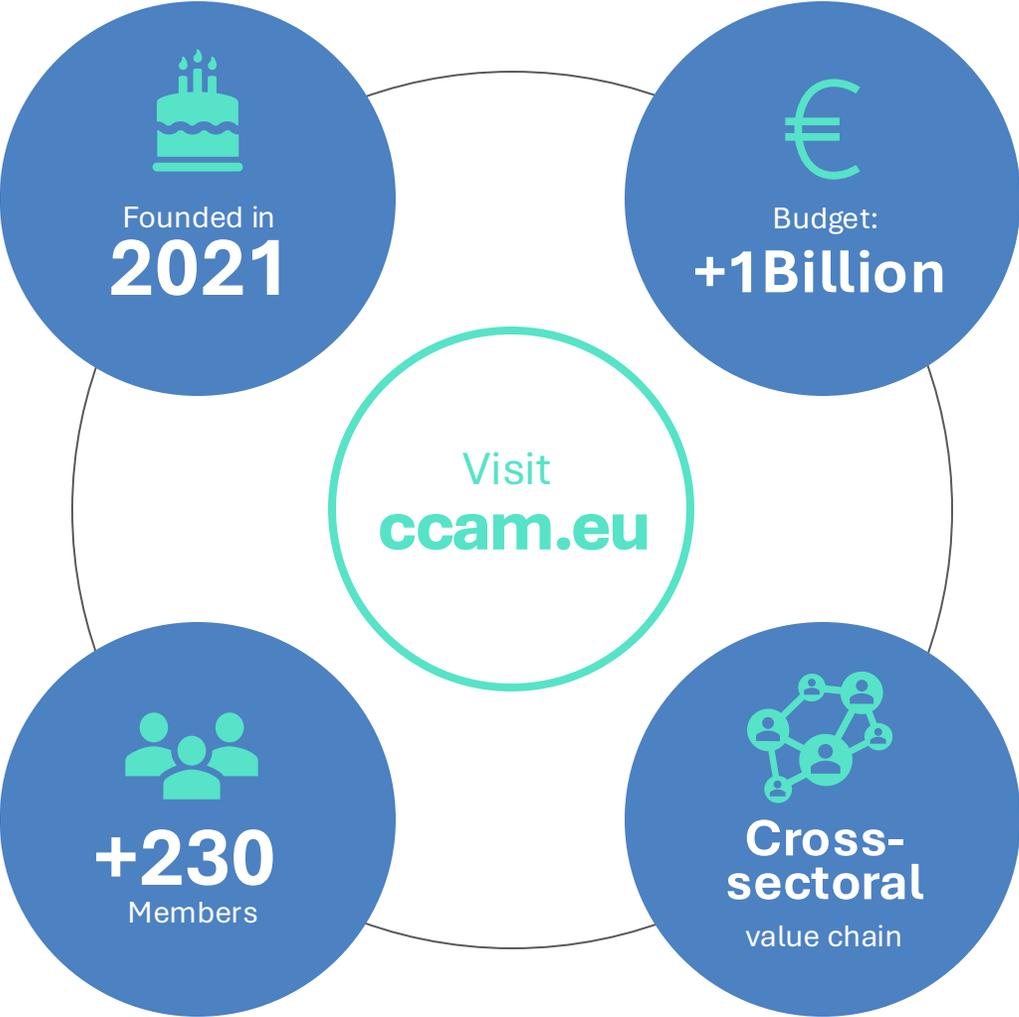
CCAM Partnership

MISSION

Exploit the full systemic benefits of new mobility solutions

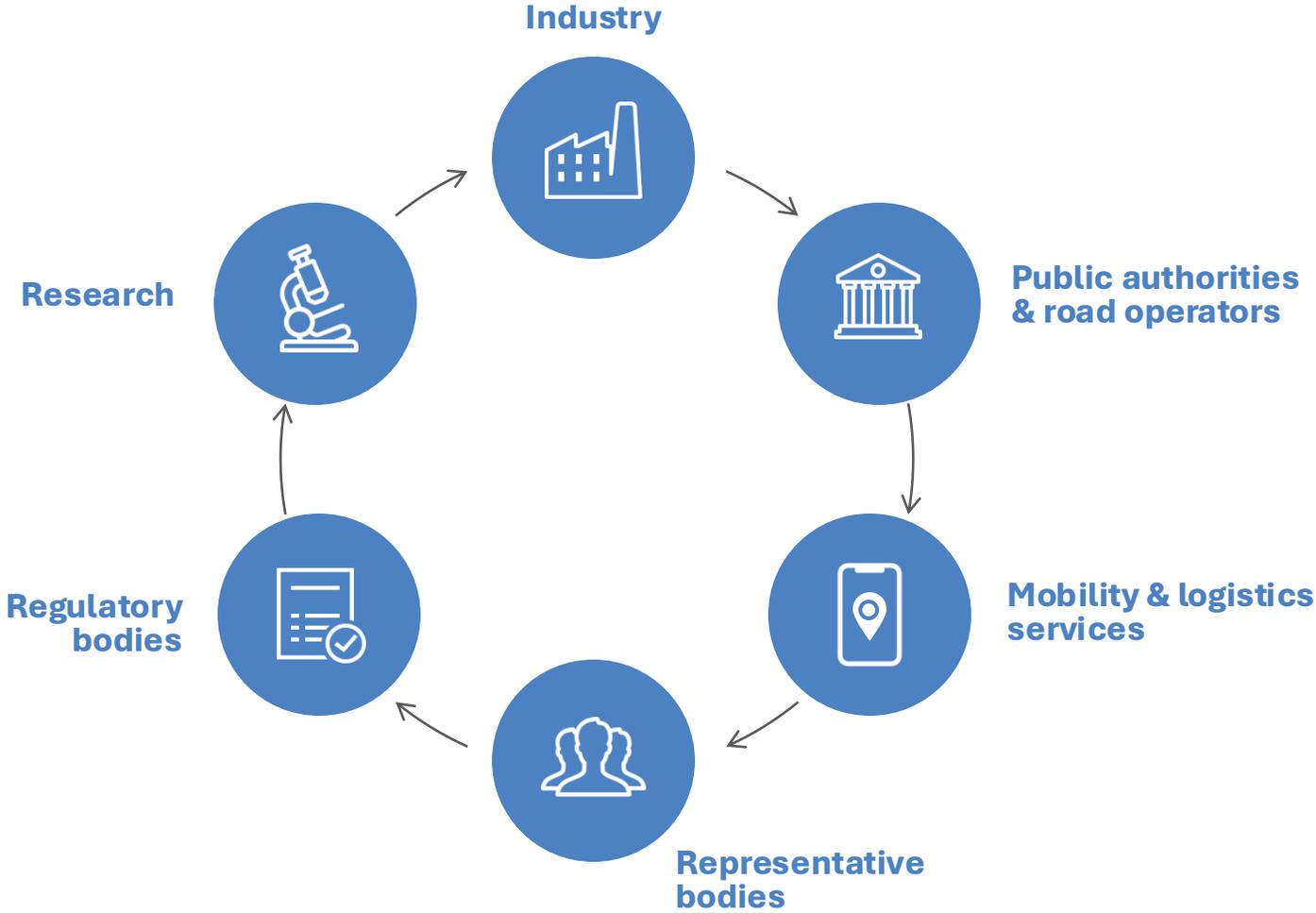
Assess impacts and understand user and societal effects to harmonise European R&I efforts.

Accelerate awareness and implementation of innovative CCAM technologies and services.



Stakeholder collaboration:

Joined forces from all relevant sectors to bring CCAM technologies to the next level



26

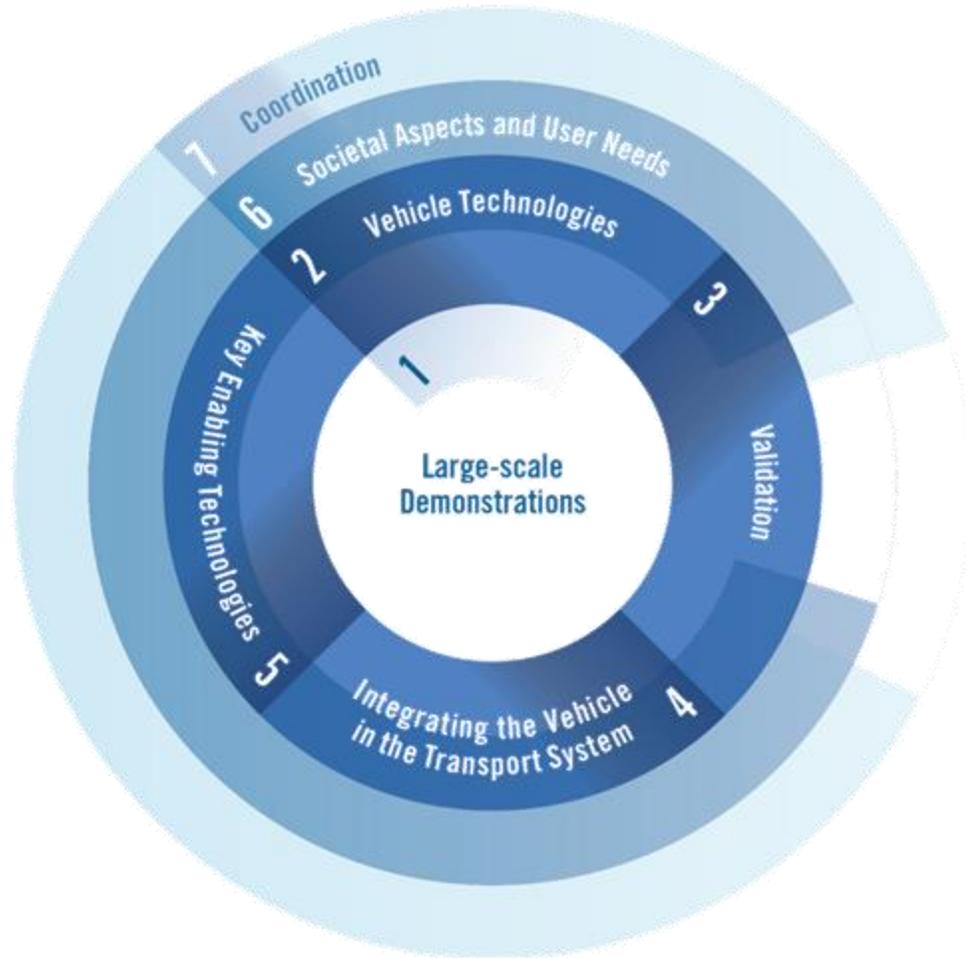
Countries are represented in the CCAM Partnership



+230 Members companies/organisations

<https://www.ccam.eu/members>

CCAM clusters



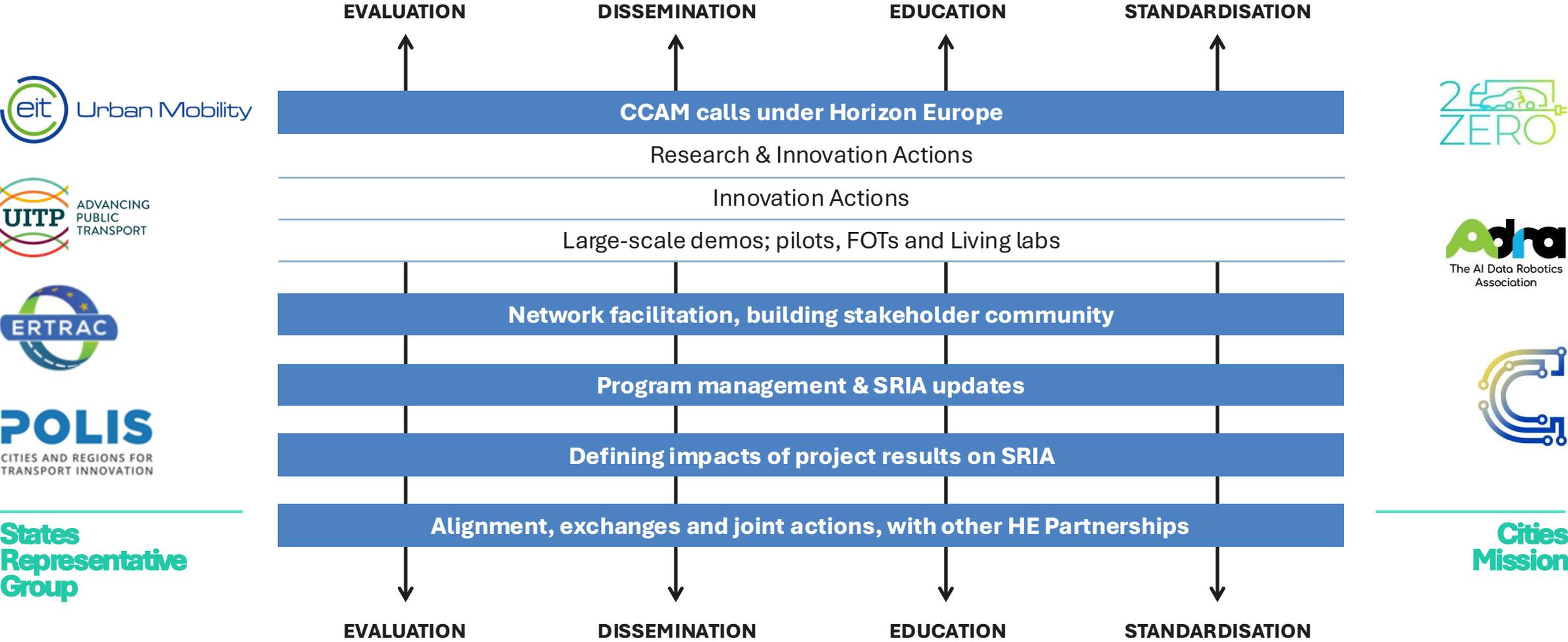
Successful implementation requires understanding:

- The people needs and societal aspects of mobility
- Technical details, contributions, requirements and risks from key enabling technologies
- The overall transport system requirements and set-up
- What vehicle technologies are required and how to implement them
- How to validate safe system functioning

Finally demonstrate all aspects at a large scale.



CCAM partnership implementation



Status and upcoming calls

What are the current and upcoming CCAM Partnership projects?



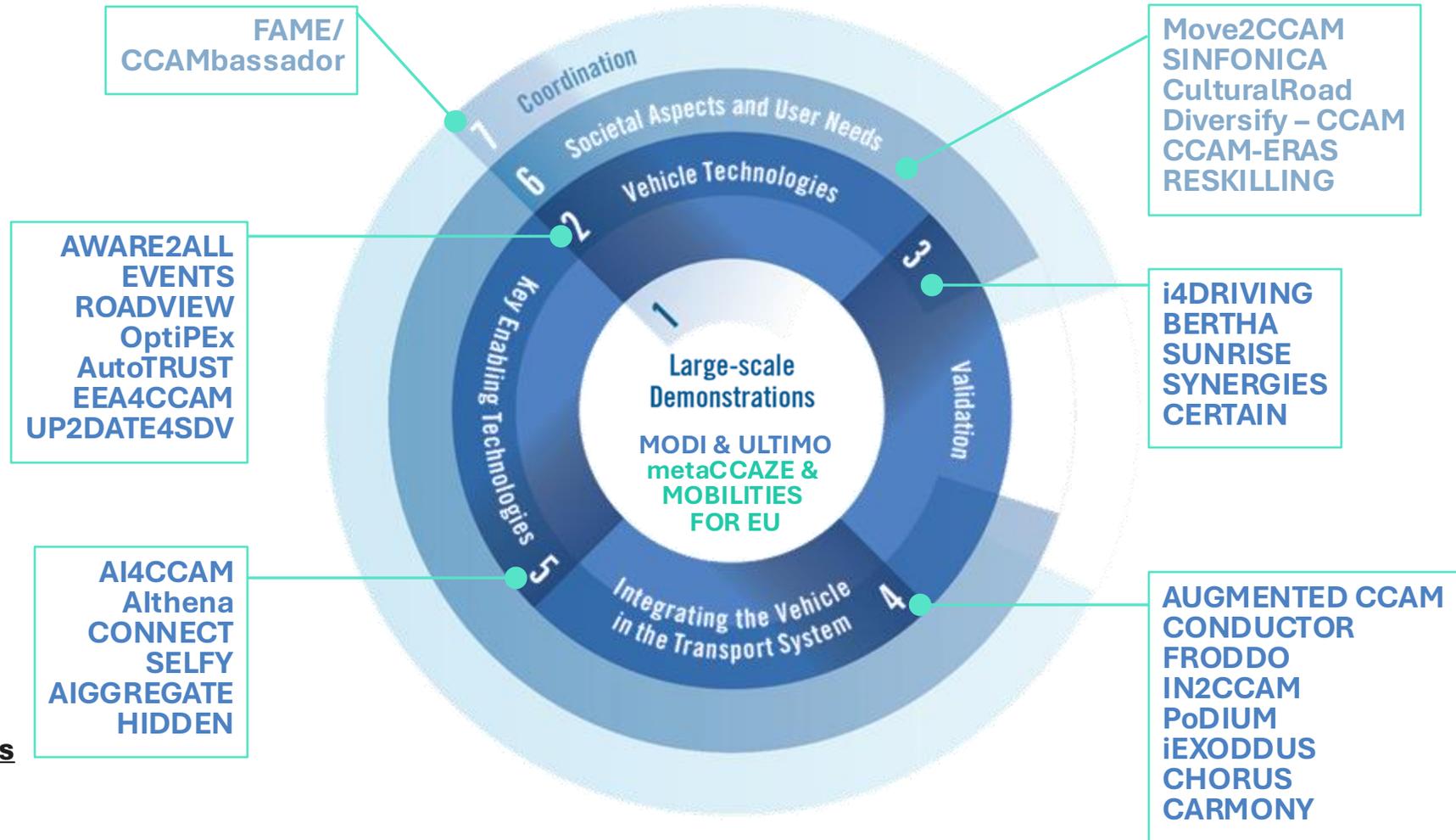
Project overview in CCAM clusters

Horizon Europe Work Programme

Destination Transport and Smart Mobility services

Calls 2021, 2022, 2023 & 2024 Projects

<https://www.ccam.eu/projects>



CCAM work programme 2025

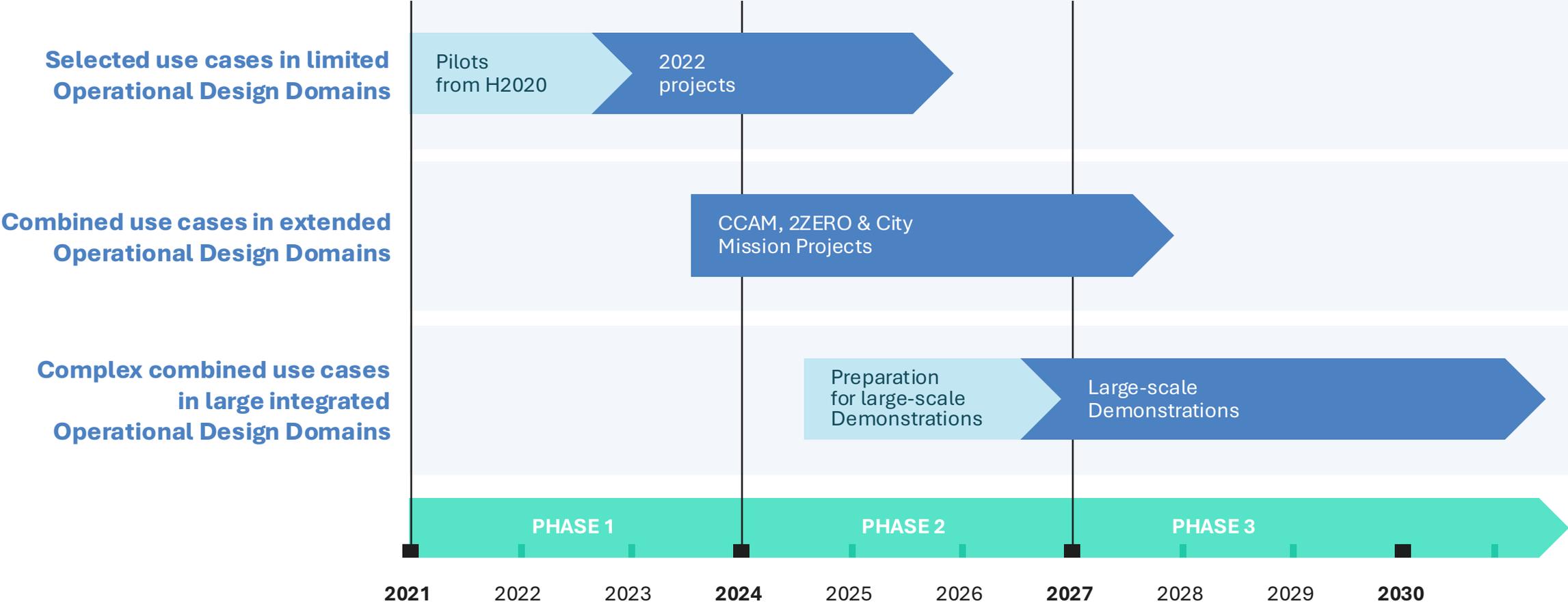
TOPIC #	CCAM CLUSTER	TOPIC TITLE	TYPE OF ACTION	BUDGET (EUR MILLION)	# OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL5-2026-01-D6-03	2	Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity	RIA	8	2
HORIZON-CL5-2026-01-D6-04	3	Integration of human driving behaviour in the validation of CCAM systems	RIA	5	1
HORIZON-CL5-2026-01-D6-05	5	Approaches, verification and training for Edge-AI building blocks for CCAM Systems	RIA	4	1
HORIZON-CL5-2026-01-D6-06	7	Federated CCAM data exchange platform	IA	4	1

Submissions: 16 September 2025 – **20 January 2026**



Strategic Research & Innovation Agenda by the CCAM PPP:

Paving the way to Large Scale Demonstrations



Draft Work Programme 2026:

Large-Scale Demonstration project

Field Operational Tests - FOTs (TRL* 7-8) and Technology pilots (TRL* 4-6)



Enhancing CCAM Technology



DRAFT CCAM work programme 2026-27

TOPIC #	CCAM CLUSTER	TOPIC TITLE	TYPE OF ACTION	BUDGET (EUR MILLION)	# OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL5-2026-10-D6-01	1	Flagship-pilot: large-scale demonstrations of CCAM	IA	100	1
HORIZON-CL5-2026-10-D6-02	6	Geopolitical competition and socioeconomic resilience in CCAM: an innovation and policy roadmap for EU leadership	RIA	4	1
HORIZON-CL5-2026-10-D6-03	2, 3 & 5	Generative AI for smarter CCAM: enhancing perception, decision-making, and validation	RIA	14	2
HORIZON-CL5-2027-06-D6-04	4	Holistic solutions for CCAM integration in critical scenarios	RIA	6	1
HORIZON-CL5-2027-06-D6-05	3 & 7	European CCAM knowledge hub and tools for safe and scalable deployment	CSA	4	1

Potential submissions: 4 June – 8 October 2026 & 3 June – 7 October 2027



Current CCAM-UK cooperation

What cooperation is already ongoing?



Current UK involvement in CCAM Partnership

—
Vivi Michalaki from National Highways, as CEDR representative, is elected as CCAM Cluster 4 (Integrating CCAM into the transport system) Leader

—
CCAV representatives are attending the **CCAM States Representatives Group (SRG) meetings** twice a year. The first SRG meeting of 2026 might be organised in the UK.

—
17 UK entities are already involved in **16 CCAM Partnership's projects**

—
14 entities (including Innovate UK) are direct **CCAM Association members**

—
The West Midlands Region submitted an expression of interest in closer cooperating with the CCAM Association/Partnership



Thank you!



CCAM

CONNECTED, COOPERATIVE
& AUTOMATED MOBILITY

Christian Merkt

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ccam.eu

X @CCAM_EU

in CCAM Association



Co-funded by
the European Union



CAM in the UK

David Webb – Head of Innovation

david.webb@ccav.gov.uk

CAM in the UK - £400m+ HMG R&D Funding

BUDGET 2015

£100 million for Research and Development into Intelligent Mobility, which will focus on enhancing the development of driverless car technology and the systems required to implement and adopt the technology, such as telecommunications

AUTUMN BUDGET AND SPENDING REVIEW 2021

At SR 2021 government allocated £66 million of new BEIS funding over three years to support R&D that will lead towards commercially sustainable deployments of the technologies and a growing UK-based CAM supply chain, to encourage the development of CAM skills and continue

AUTUMN STATEMENT 2016

- £100 million investment in testing infrastructure for driverless cars

Industrial Strategy

Published 23 June 2025

Champion a commercial landscape fit for the future of Connected and Automated vehicles (CAM), including self-driving cars

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, provided in partnership with Zenzic and Innovate UK. Working closely with government, these organisations deliver a globally unique offer, match-funding R&D grants to the UK CAM sector including for dual-use technologies, and connecting industry players with international opportunities.

Automated and Electric Vehicles Act (2018)



Gaby Hinsliff

@gabyhinsliff

 Follow

Ah, Britain. The only parliament in the world where someone turns up by horse drawn carriage to promise everyone else driverless cars.

RETWEETS
414

LIKES
401



3:52 am - 18 May 2016



 414

 401



Automated Vehicles Act (2024)



Automated Vehicles Act 2024

2024 CHAPTER 10

An Act to regulate the use of automated vehicles on roads and in other public places; and to make other provision in relation to vehicle automation. [20th May 2024]

BE IT ENACTED by the King's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

PART I

REGULATORY SCHEME FOR AUTOMATED VEHICLES

CHAPTER I

AUTHORISATION OF ROAD VEHICLES FOR AUTOMATED USE

Self-driving capability

1 Basic concepts

- (1) This section applies for the purposes of this Part.
- (2) A vehicle "satisfies the self-driving test" if—
 - (a) it is designed or adapted with the intention that a feature of the vehicle will allow it to travel autonomously, and
 - (b) it is capable of doing so, by means of that feature, safely and legally.
- (3) Whether a vehicle satisfies the test is to be assessed by reference to the location and circumstances of that intended travel (and may differ in respect of different locations and circumstances).

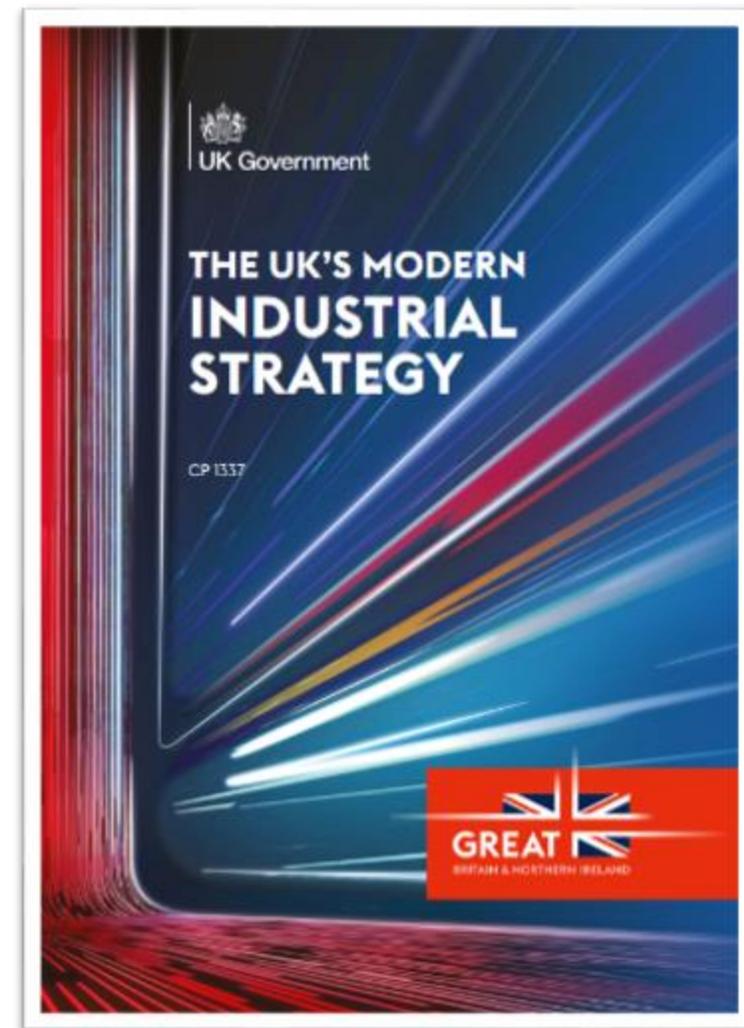
Industrial Strategy

Our approach

The government's priority mission is to deliver strong, secure, and sustainable economic growth to boost living standards for working people in every part of the UK.

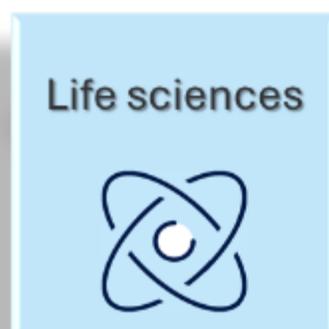
We need a new relationship between business and government, where government provides investors with strategic certainty, enabling them to create wealth.

Our modern Industrial Strategy provides a new approach for a new era. It is robust, strategic, and long-term: a 10-year plan to make the UK the best country to invest in.

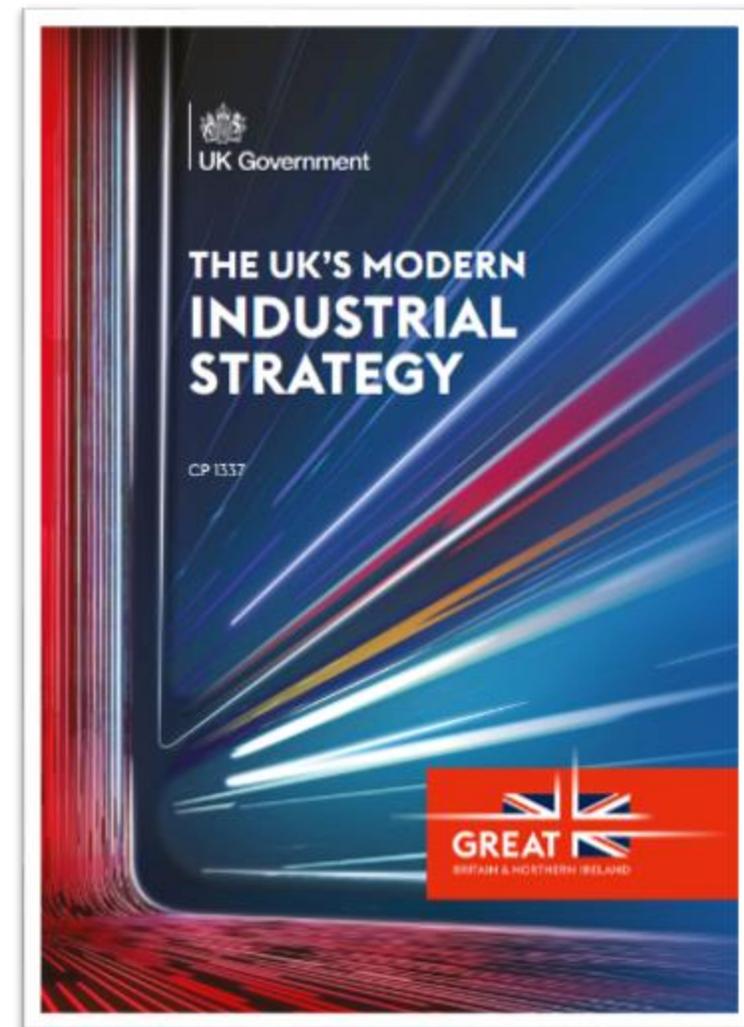


Industrial Strategy

...targeting key growth driving sectors



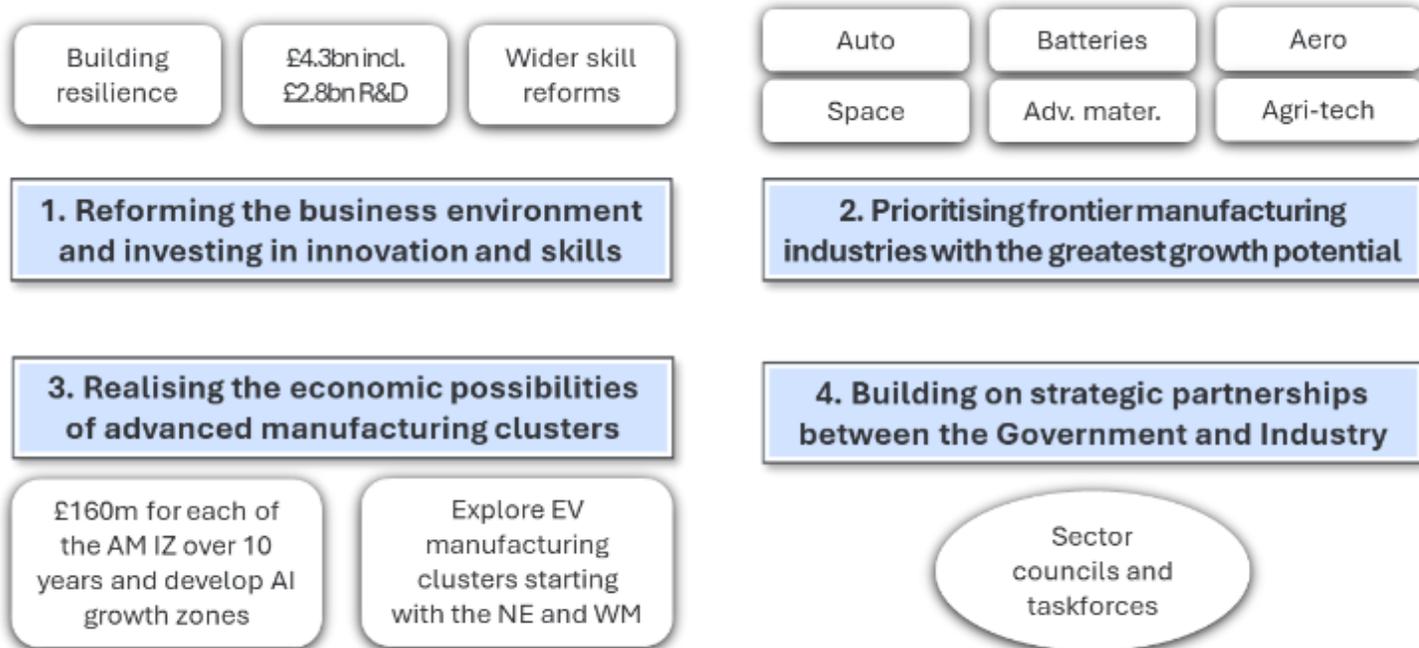
...and we have published a dedicated sector plan for each of them



Advanced Manufacturing Sector Plan

By 2035 the UK will be recognised as the best place in the world to start, grow, and invest in Advanced Manufacturing. Our ambition is to near double the annual business investment in the sector from £21 billion to £39 billion in 2035, driving growth across the economy.

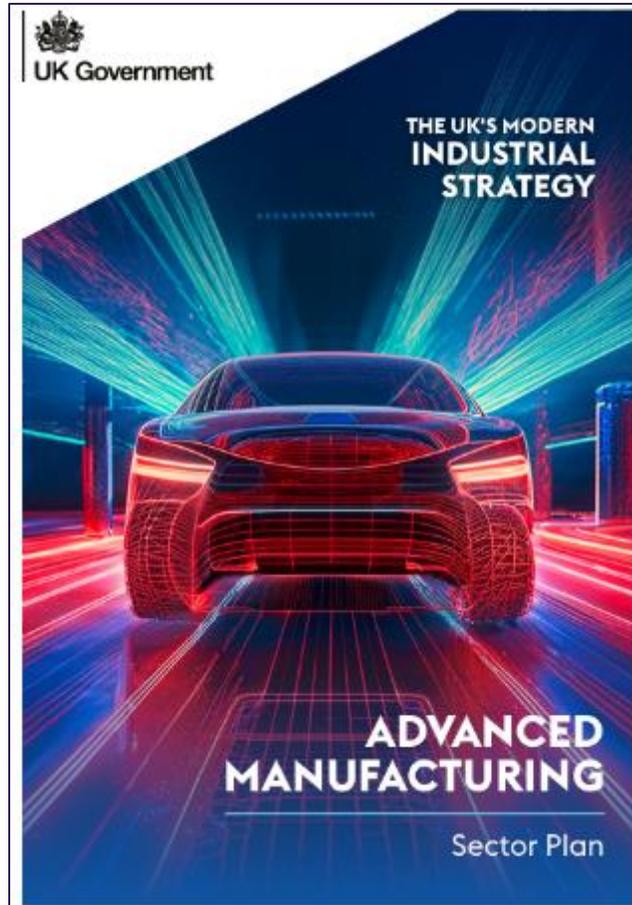
This vision requires a step change, which we will deliver in four ways:



...and automotive plays a central role in our sector plan.



Policy Context



CAM Exemplars:
UK deploys CAM technologies, products, and services in high-value UK market segment(s) (supports CAM2035 outcome 'Domestic Utilisation').

CAM Pathfinder Outcomes

Secure Critical CAM Capability:

UK CAM Supply Chain provides critical technologies, products, and services, to enable UK CAM deployments as well as develop strategic sovereign safety and cybersecurity assets that provide resilience against foreign technologies.

Differentiation by Specialisation:

The UK CAM sector has a comparative advantage in critical and high-value CAM capabilities, securing an overall competitive advantage for the UK in the global CAM market (supports CAM2035 outcome 'UK CAM Market Differentiation Through Specialisation').

Industries of the Future:

The UK CAM sector has strong foundations for future growth and has anticipated required capabilities for a longer, more impactful, 10-year programme (supports CAM2035 outcome 'Future-Proofed UK Industry').

CAM PATHFINDER Delivering the future of CAM in the UK

- **£150m Government investment in CAM R&D from 2025 through to 2030**
 - Building on government's investment since 2015, seeding and securing CAM capabilities here in the UK
- 2025/26 - initial kick off funding, extending and enhancing commercialising CAM
- 2026/27 - 2027/28 – first round of multi-year funding, supporting growth of UK CAM sector and greater alignment between CAM (CAM Pathfinder) and Net Zero (Drive35) funding



Centre for Connected
& Autonomous Vehicles

ZENZIC 



Innovate
UK



Funded by
UK Government

Mobilise

Five projects supporting SMEs and accelerating CAM technology to market readiness

Feasibility Studies

Fourteen projects focussed on application of CAM technologies and services solving real world challenges

Extensions

Fifteen Commercialising CAM projects extended to support deliverables and impact

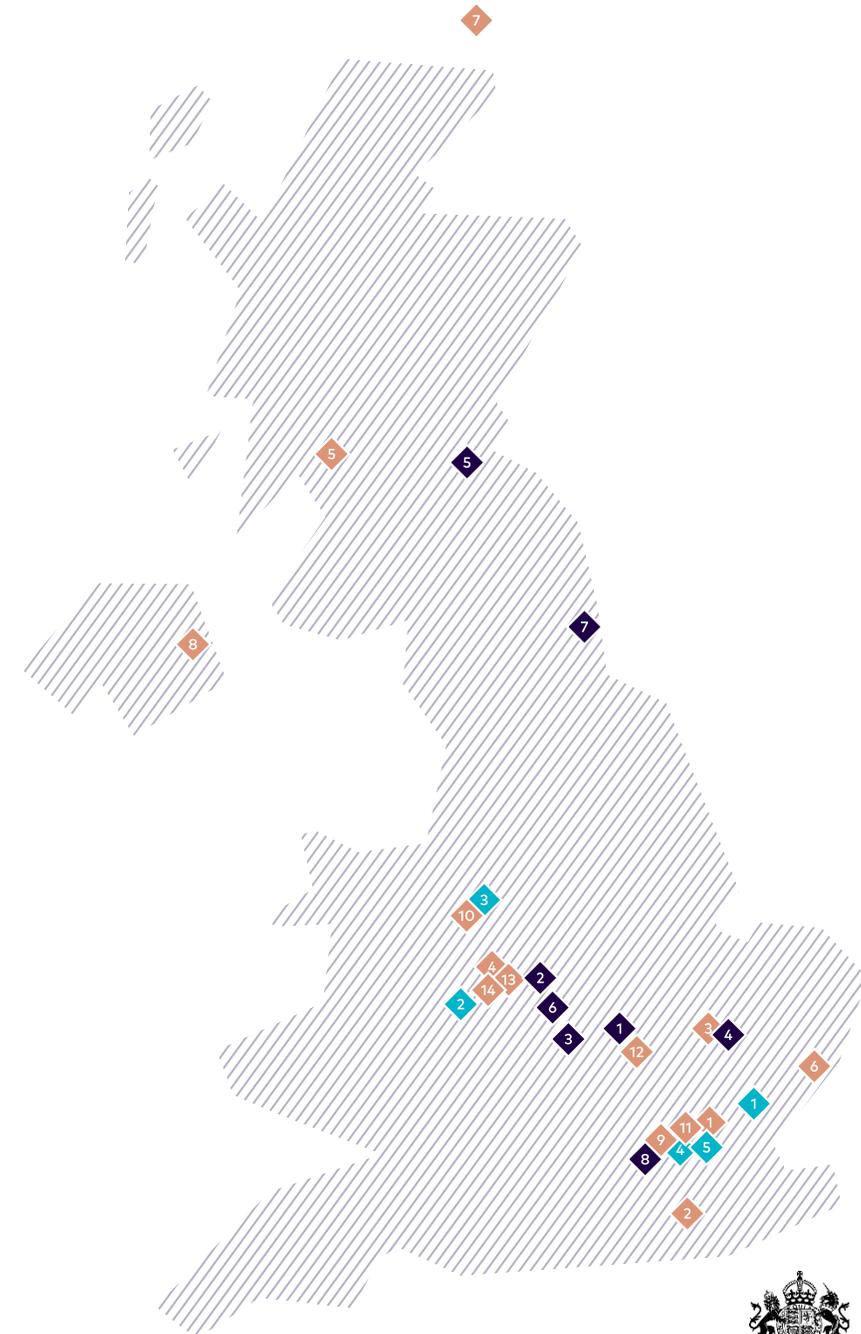
Enhancements

Eight commercialising CAM projects supported with additional funding to tackle challenges and enhancements towards commercialisation

ZENZIC⁴

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

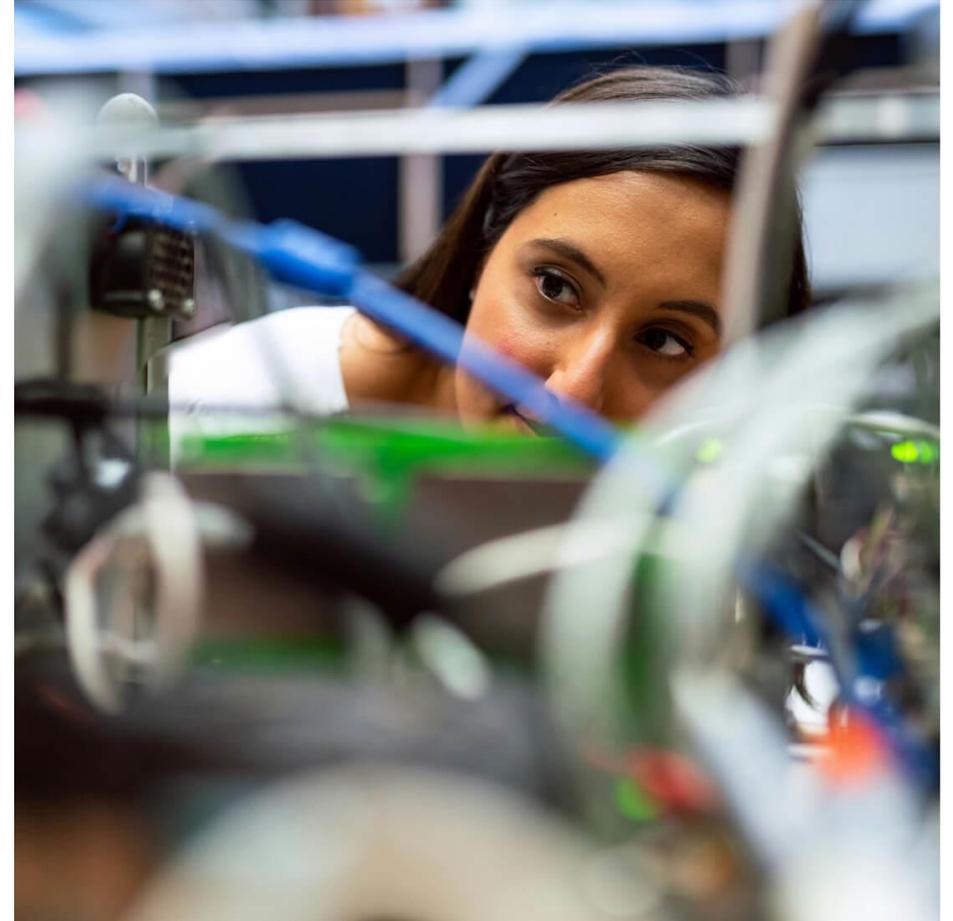
Enhancements

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



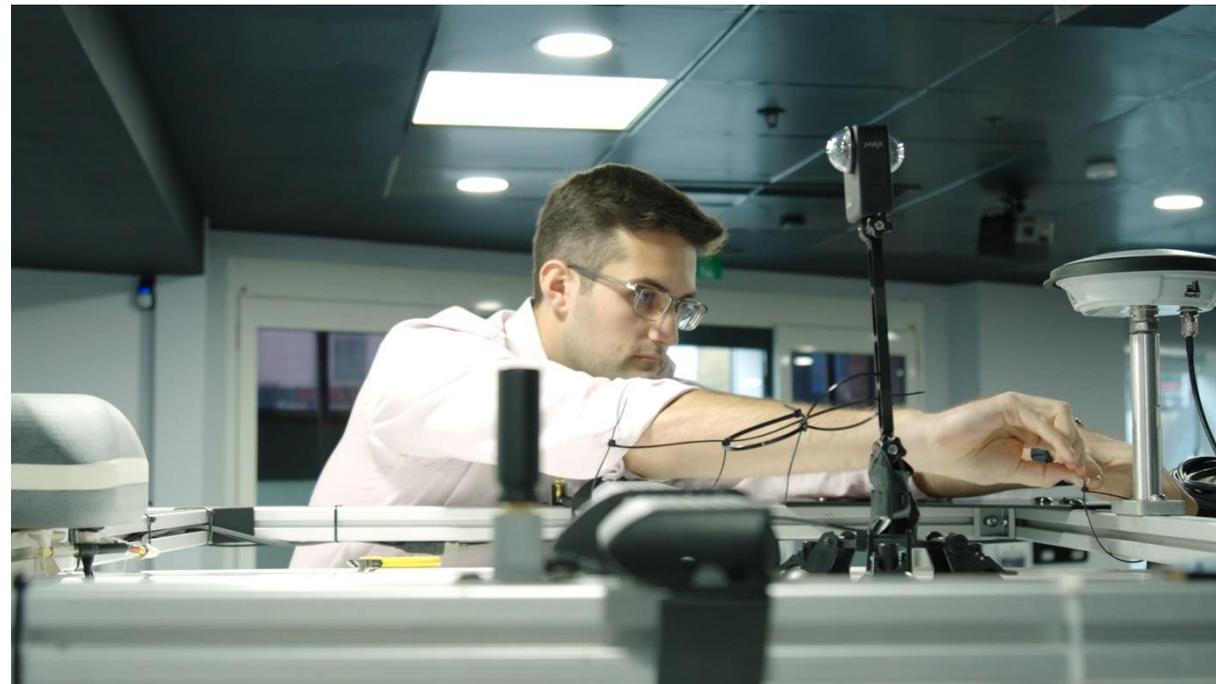
CAM Pathfinder Mobilise

- Supports ambitious early-stage businesses to become investment and market- ready
- Accelerating technology and manufacturing readiness levels
 - CAM and zero-emission technologies
 - Mentoring and technical validation (links to CAM Testbed UK and wider engineering services)
- Up to £180,000 per SME



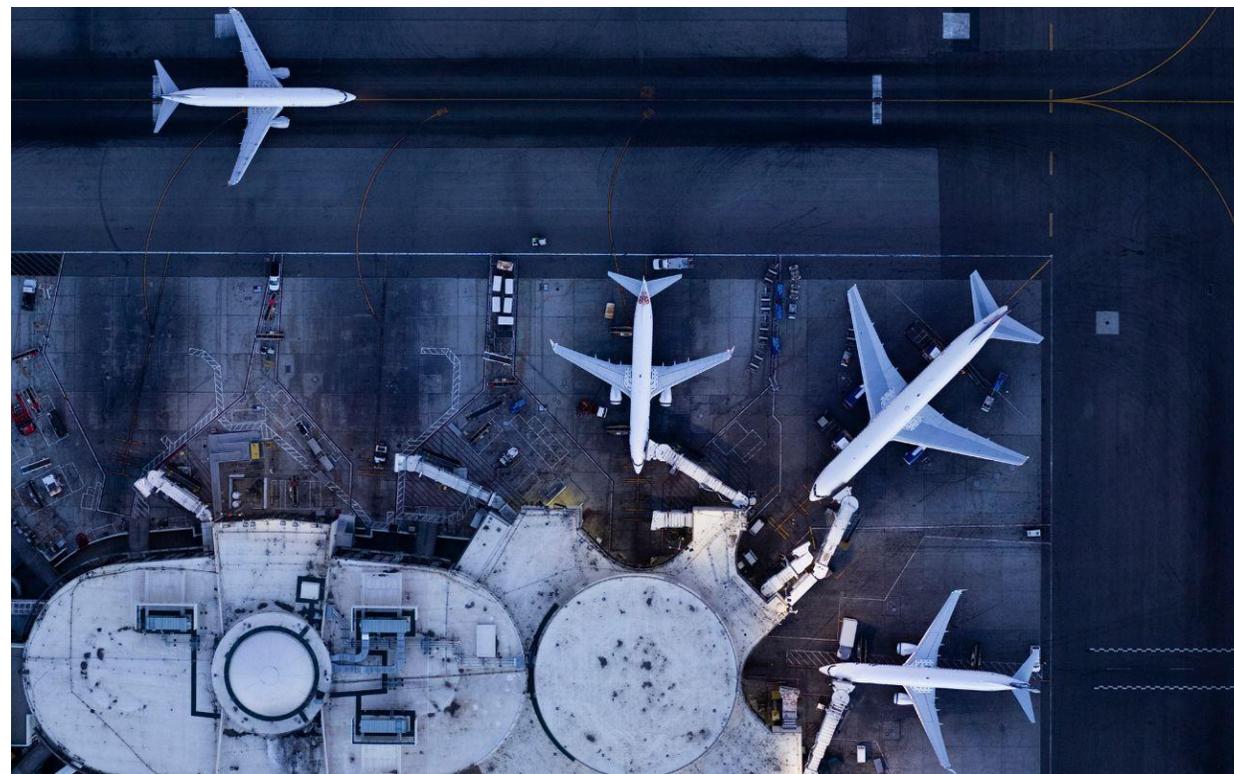
CAM Pathfinder Demonstrate - £20m Grant Funding

- Supporting businesses to mature their technologies and generate commercial traction
- Accelerating routes to market and integration into final CAM solutions
 - CAM and zero emission technologies
 - Focus on high potential technology areas
 - Upto £2m per project



CAM Pathfinder Enable - £15m Grant Funding

- Representative trial projects, designed to mature service models ahead of complete technology readiness
 - Operationalise CAM technologies and services
 - Support readiness of (early) CAM adopters and deployers
 - Trials focussing on early commercial opportunities
 - Upto £4m per project



CAM Pathfinder Feasibility Studies - £1.5m Grant Funding

- Overcoming barriers to unlocking (commercial) commitments to CAM technologies and services
- Desk based research
 - Identify and target early commercial opportunities
 - Develop business case(s)
 - Identify solutions to the most pressing issues
- Upto £250,000 per project



CAM Pathfinder will target high impact opportunities

TECHNOLOGIES WHICH CAN BE GLOBALLY COMPETITIVE OR OF CRITICAL IMPORTANCE

APPLICATION AREAS WHICH CAN SCALE QUICKLY AND BRING GROWTH SOONEST



PATHFINDER



ONBOARD TECHNOLOGY

Automated Driving Systems (software)
Innovative vehicle sensor design
Control systems (hardware)



OFF BOARD TECHNOLOGY

Connectivity and Data
Development Tools
Technical Services



OFF ROAD LOGISTICS

Airports
Ports
Advanced Manufacturing sites



OFF ROAD PASSENGER TRANSIT

Airports
Business Parks/Campuses



ON ROAD PASSENGER TRANSIT

Timetabled Bus Services
Demand Responsive Transit (DRT)
Low-Speed Shuttles



Department for
Business & Trade

Audience Q&A



David Webb

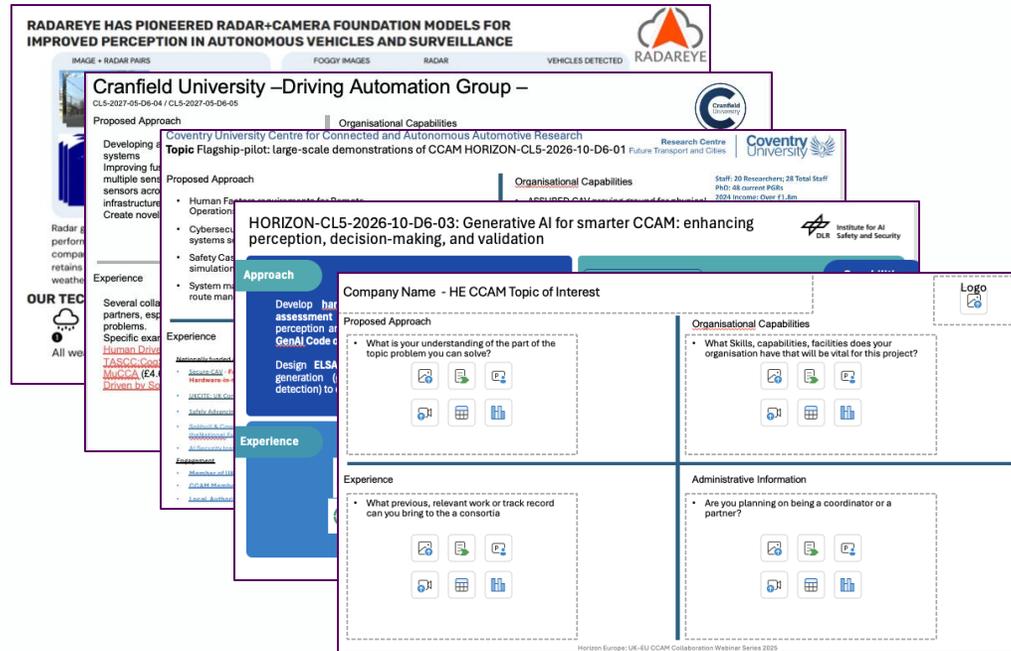
CCAV Head of Innovation.



Christian Merkt

CCAM Association Chair

Pitching- Submit your pitch slides



Anthony Gallego
Automated Mobility Knowledge Transfer
Manager
Innovate UK | Business Connect

Anthony.Gallego@iukbc.org.uk

Submit your 1 page pitch decks! To be included in the digital brochure we will compile at the end of this series!

Thank you and Reminder

1st of October 2025 , 12:00 GMT, 13:00 CET



<https://iuk-business-connect.org.uk/events/horizon-europe-uk-eu-ccam-collaboration-webinar-series-2025/>

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Submit your 1 page pitch decks! To be included in the digital brochure we will compile at the end of this series!