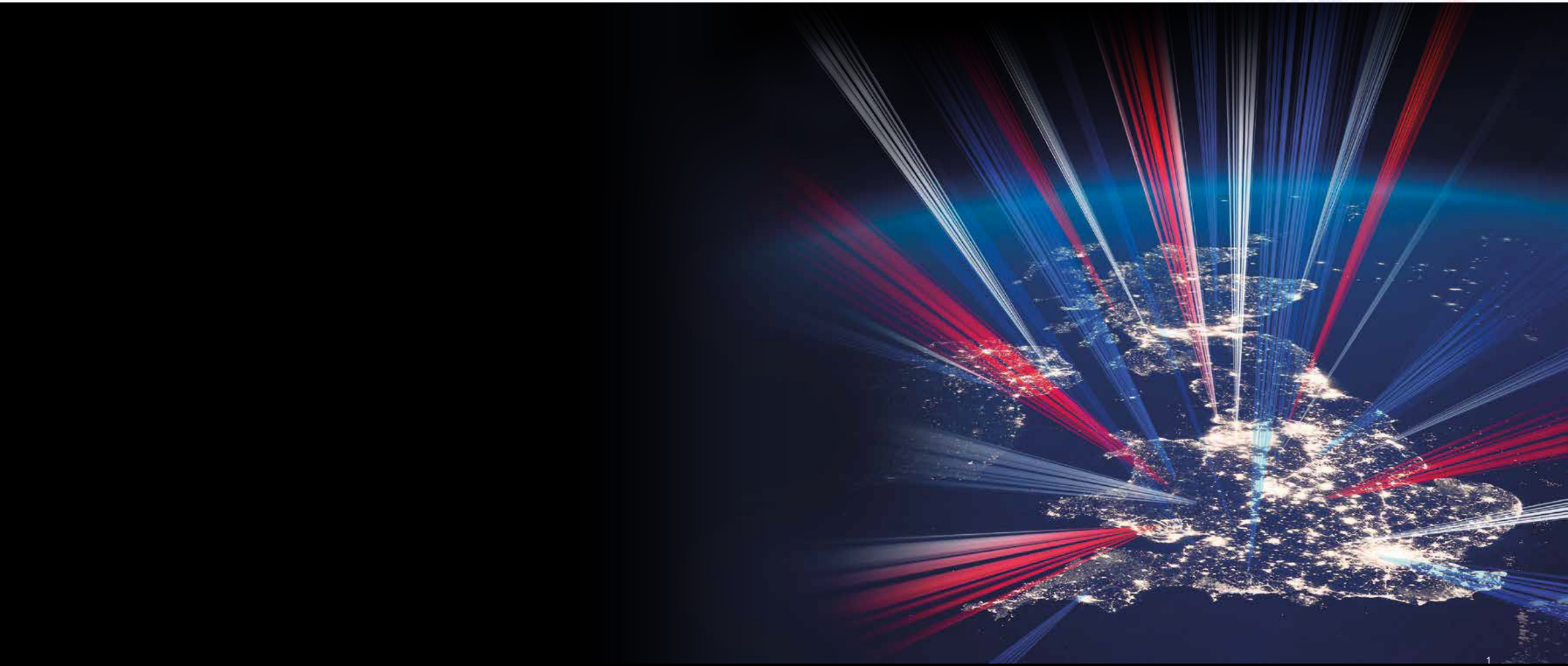




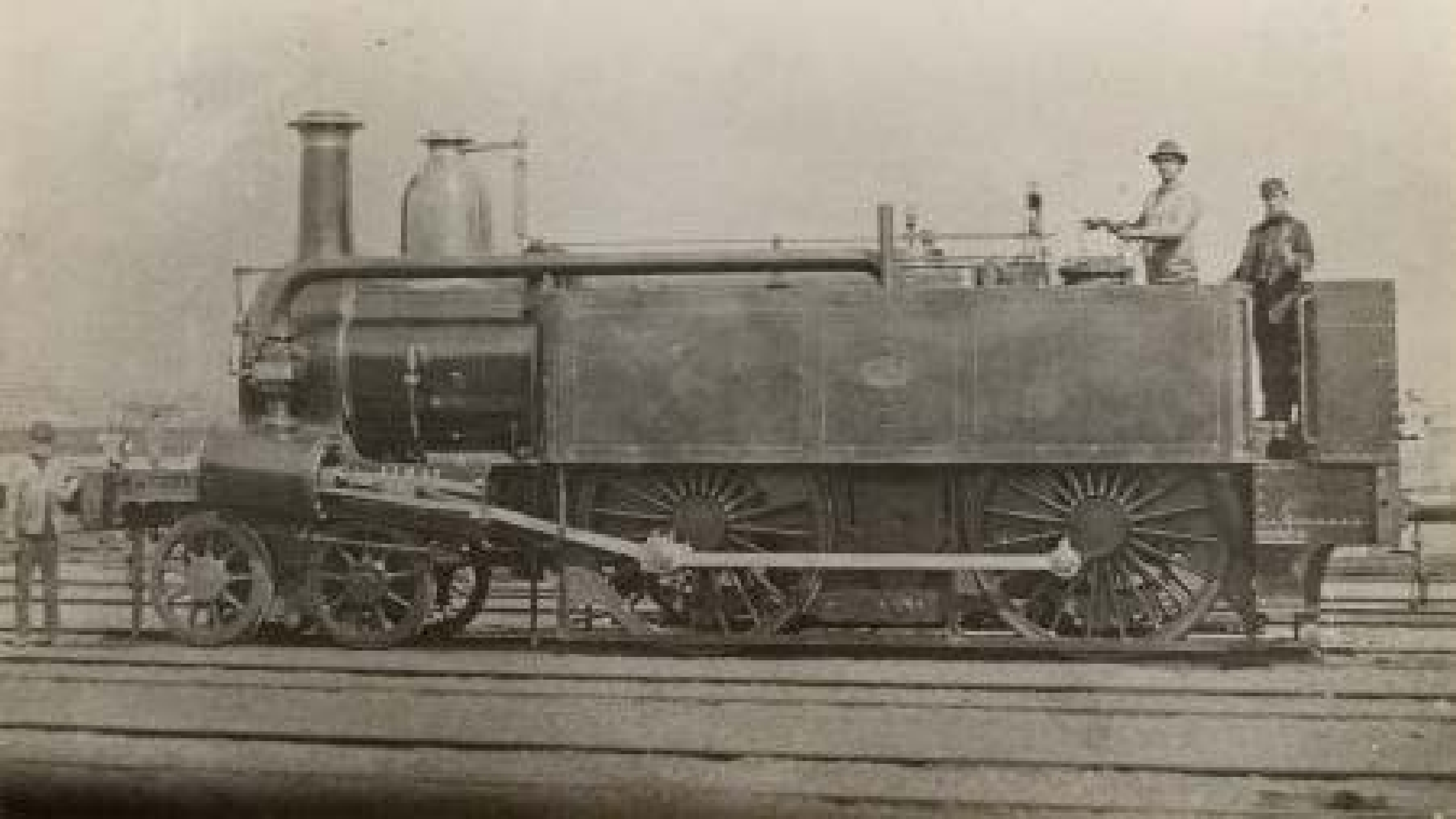
Centre for Connected
& Autonomous Vehicles

A Government Perspective on the Future of Mobility

Iain Forbes



Where are we now?





PETER ROBINSON

ROBINSON 2

PETER ROBINSON'S PATENT DELIVERY TRUCK
PIONEER

Peter
Robinson

Peter
Robinson





23

23

23

Oxford
Wembley
Ealing
(A40)
Paddington

Kensal Rise
A404

Metroline

SE201

2 UHX







AUTONOMY IS AVAILABLE



Press Stick To Accept

DRIVEN

13:16 20°

17.0° 17.0°




Innovate UK


GREAT
BRITAIN & NORTHERN IRELAND


UKAutodrive


ARRIGO
Autonomous Robot





 395 cal 95 min >




 86 cal ~38 min >



 26 min >

 26 min >

Suggested

 •  52 £3.90 46 min >

 •  •  £3.60 48 min >

 •  £2.40 51 min >

in 5, 20, 35 min from Peckham Rye

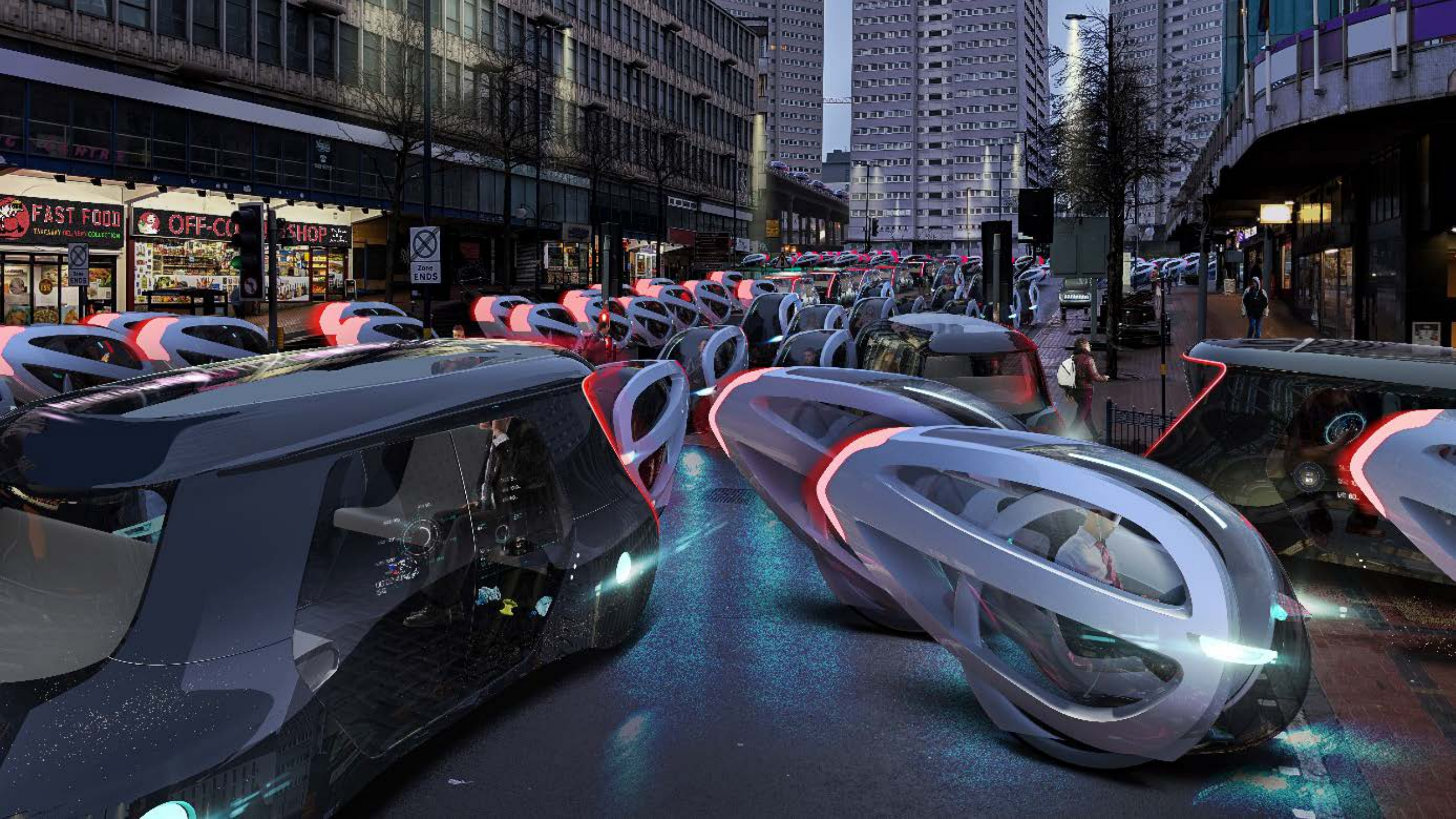
More: Bus Only

Compare all your options
in real time



Where could we be?





How do we get there?



Future of Mobility

We will become a world leader in the way people, goods and services move





A clear regulatory
pathway












A clear regulatory pathway




Existing

- Automated vehicles 
- Low emission vehicles 
- Drones and future flight 
- Maritime autonomy 

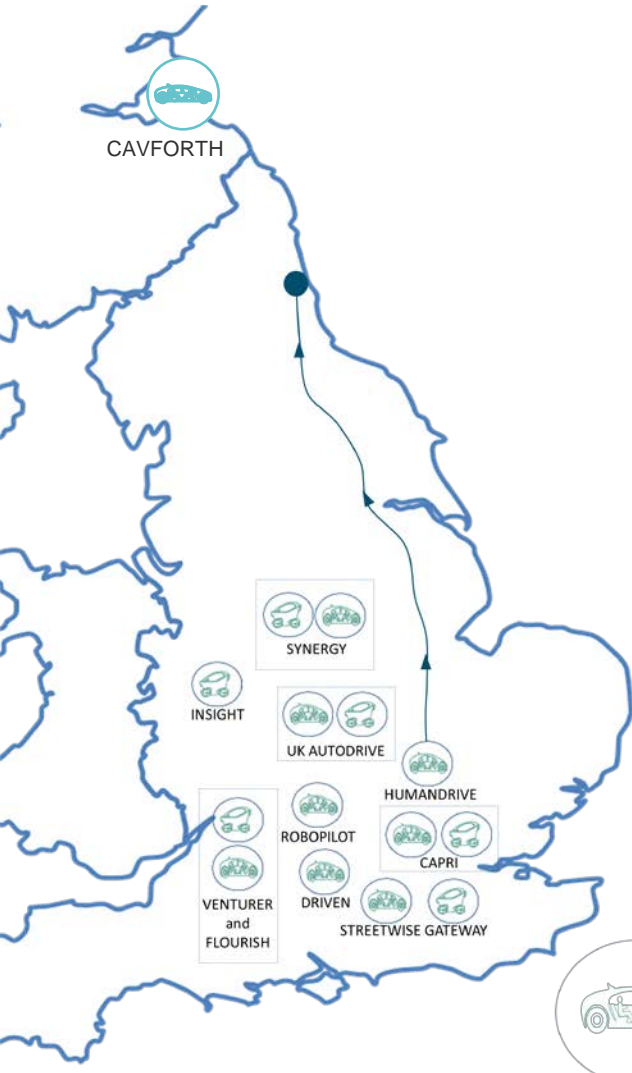
New

- Micromobility 
- Mobility as a Service 
- Transport data 

0	1	1	0	0
1	0	0	0	1
1	0	0	1	1
0	0	1	1	1
0	1	1	0	-
- Buses, taxis and private hire 



Joint investment in innovation



On highway
trials



Off Highway
Trials

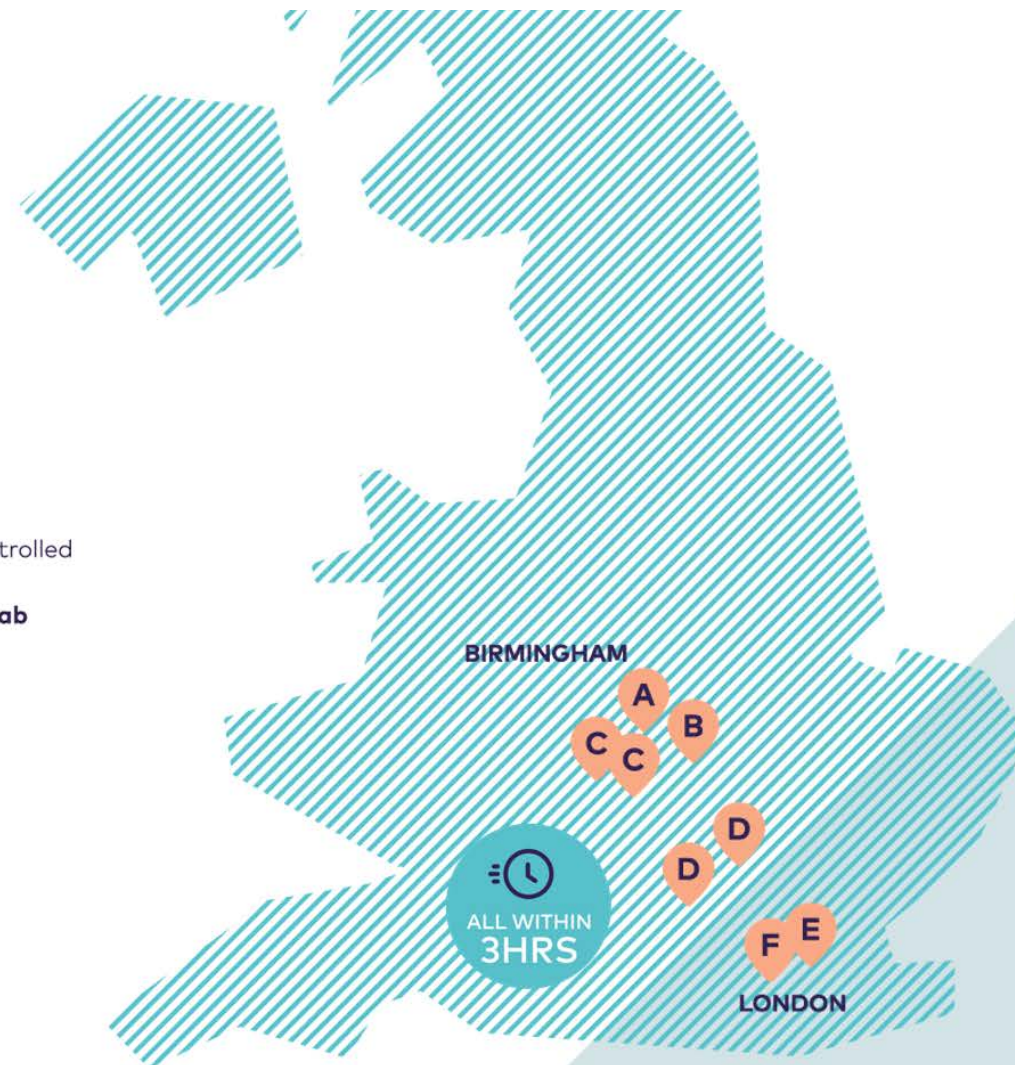


Joint investment
in innovation

Testbed UK

- A CAVWAY**
LEICESTERSHIRE
High-speed junctions
Raised junctions
- B TIC-IT and PARK-IT**
WARWICKSHIRE
Limit of controllability
Connected & configurable
Parking
- C Midlands Future Mobility**
COVENTRY AND BIRMINGHAM
Highly connected and monitored
Real-world environments

- D Millbrook-Culham**
Urban Testbed
BEDFORDSHIRE AND OXFORDSHIRE
Secure site
Controlled and semi-controlled
- E Smart Mobility Living Lab**
LONDON
Public and private
London locations
Digital twin capabilities
- F ConVEx Project**
LONDON
Data
Virtual



ZENZIC⁴



Clear principles



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