

Mapping the future of mobility

Bhavin Makwana 14 November 2019

zenzic.io

TIT

Zenzic was created by government and industry to accelerate the self-driving revolution in the UK. Zenzic is channelling £200 million of investment to unite industry, government and academia in the move to a safer, more inclusive and productive mobile future.



CAVWAY

Configurable junctions Flexible connectivity

HORIBA MIRA-Coventry University CAV Testbed

Urban parking Limit of controllability Connected & configurable

Midlands Future Mobility

Highly connected real-world and digital environments

Millbrook-Culham Urban Testbed

Secure site Controlled and semi-controlled

Smart Mobility Living Lab

Public and private London roads Digital and real-world testing

ConVEx Project

Data Virtual 0

0

0

0

LONDON

BIRMINGHAM

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Testing capabilities



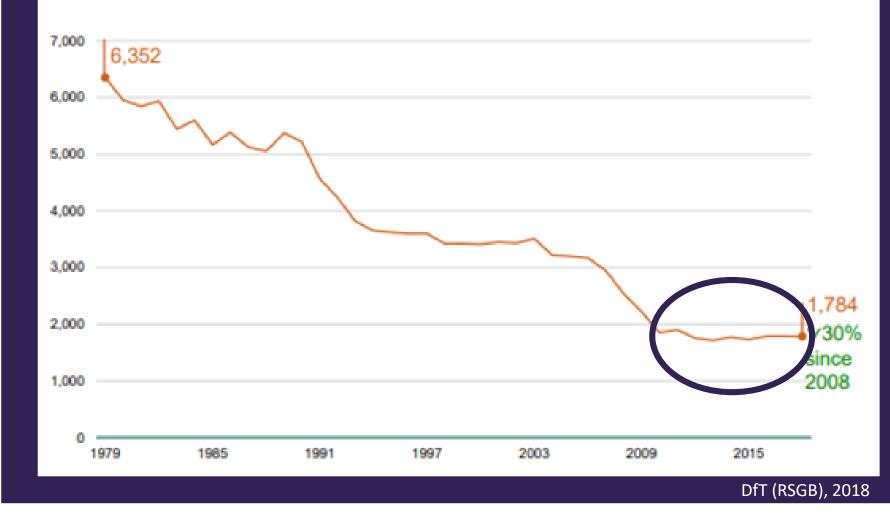






1904 Phoenix Quad Car, ca 1910

Fatalities in reported road accidents: GB, 1979-2018



Yet, Human error in 86% of road injury collisions

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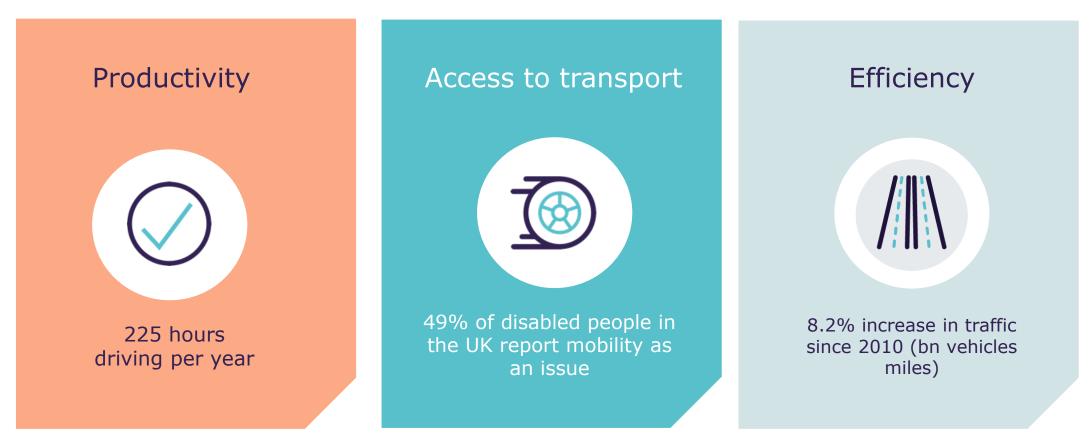
Serious collisions prevented

447,0000 2030 SMMT 2019 report

Lives saved

H39000 SMMT 2019 report

What are the benefits of connected and automated mobility (CAM)?



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Economic benefit by the deployment of CAVs to the UK per year

£52bn 20,000 2035 20,000 new automotive jobs

CCAV/TSC 2017

SMMT 2019 report



The UK Connected and Automated Roadmap to 2030

What is the roadmap?

The UK Connected and Automated Mobility Roadmap to 2030 is a tool for decision makers, investors and policy-makers for our mobile future.



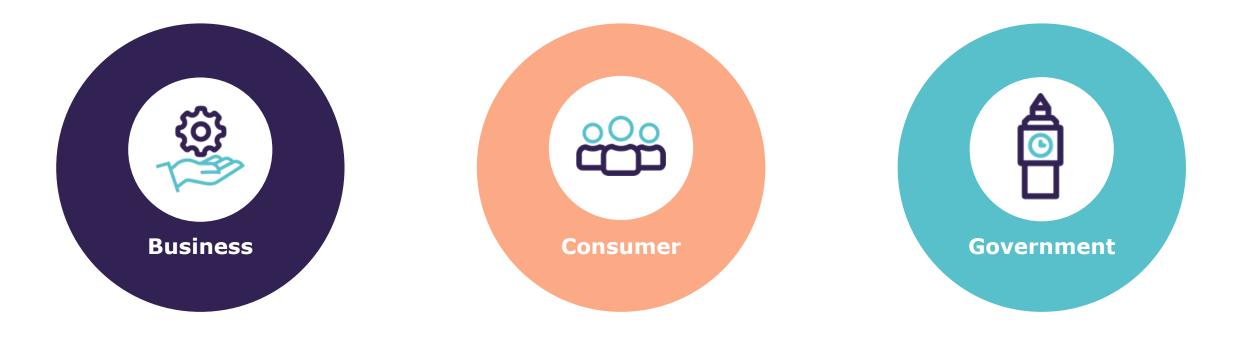
What does the roadmap provide?





Who is the roadmap for?

The roadmap offers different views for different users







How was the roadmap created?

Collaboration is key



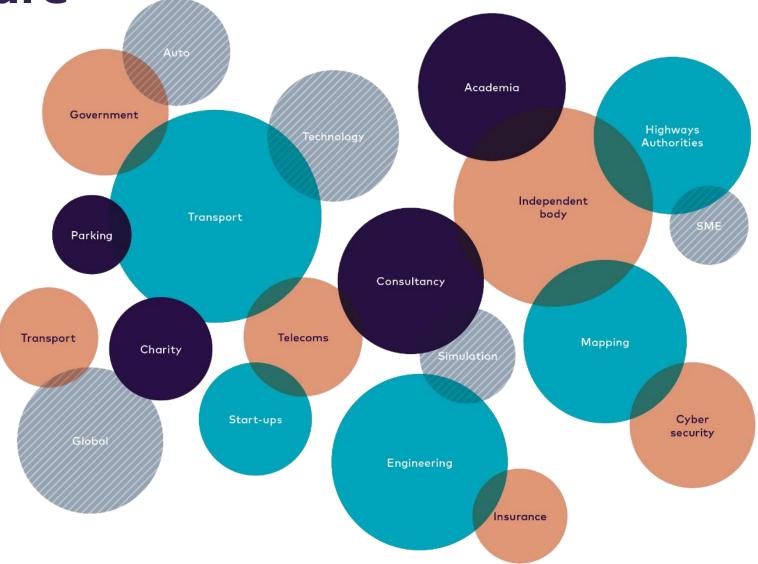


Milestones are connected through almost





Cross-ecosystem contribution means an unbiased view of the future





The roadmap aims to bring forward connected and automated mobility*







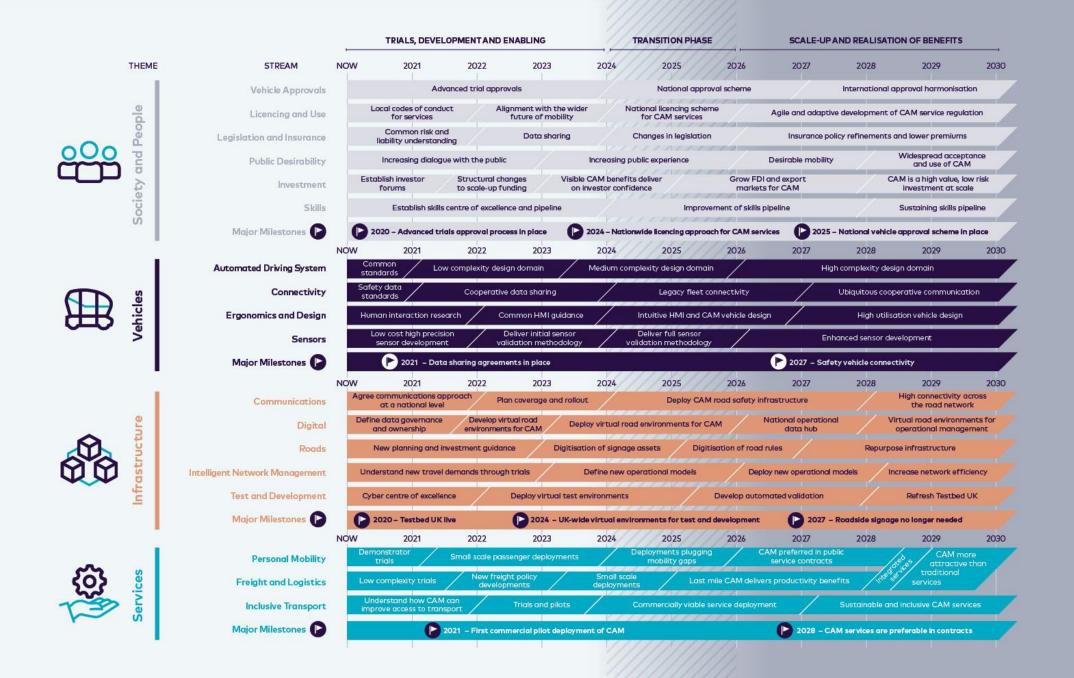
The 2030 Vision was built upon government principles and priorities

FUTURE OF MOBILITY CORE PRINCIPLES

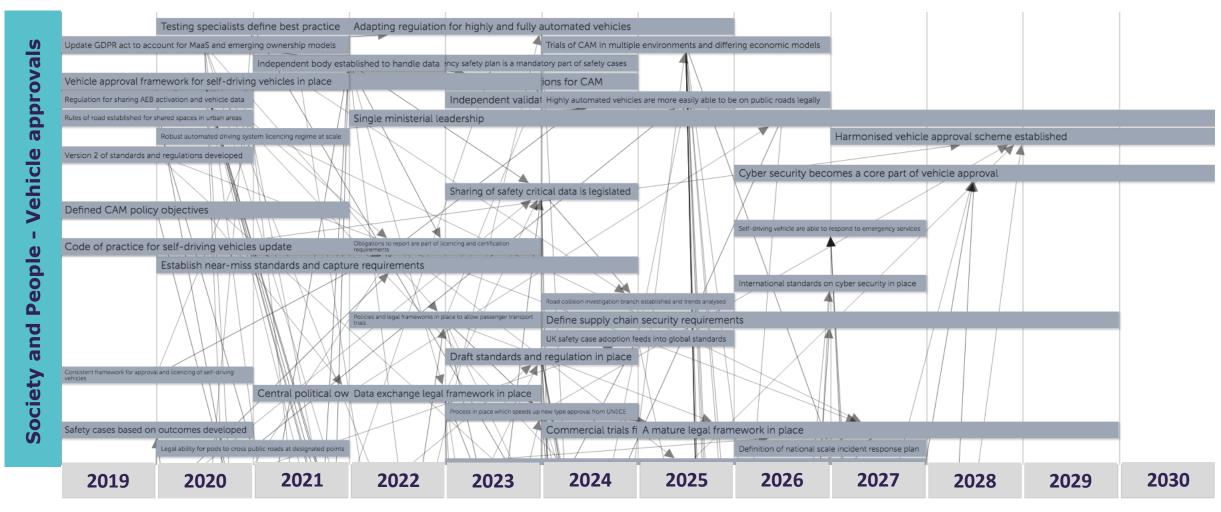
The future of mobility revolves around several fundamental principles. Ensuring safety, equality, accessibility and environmental conservation remain at the heart of CAM's future is paramount. ACAD MAP VISION STATES By 2030, the UK is benefitting from proven connected and automated mobility, with an increasingly safe and secure road network, improved productivity and greater access to transport for all. Next-generation services and technology are designed and developed in the UK, powered by high value skills and a strong supply chain, and driven by public demand, we are a world leader.'

CCAV PRIORITIES

Safety and security Productivity Access to transport



Simplifying the 600 relationships in the roadmap



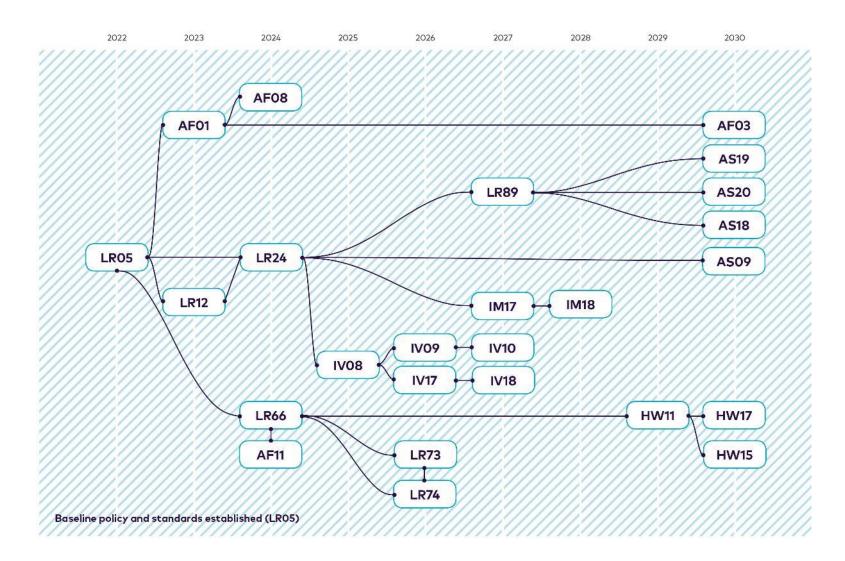
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Key enablers

The start of Strands that unlock many other milestones

KEY

ID	Milestone	Date	
AF01	Develop methods for testing AI and ML systems	2023	
AF03	Verification that AI and sensor fusion algorithms are able to self-determine exceedance of ODD	2030	



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Golden Threads – finding your way through the roadmap

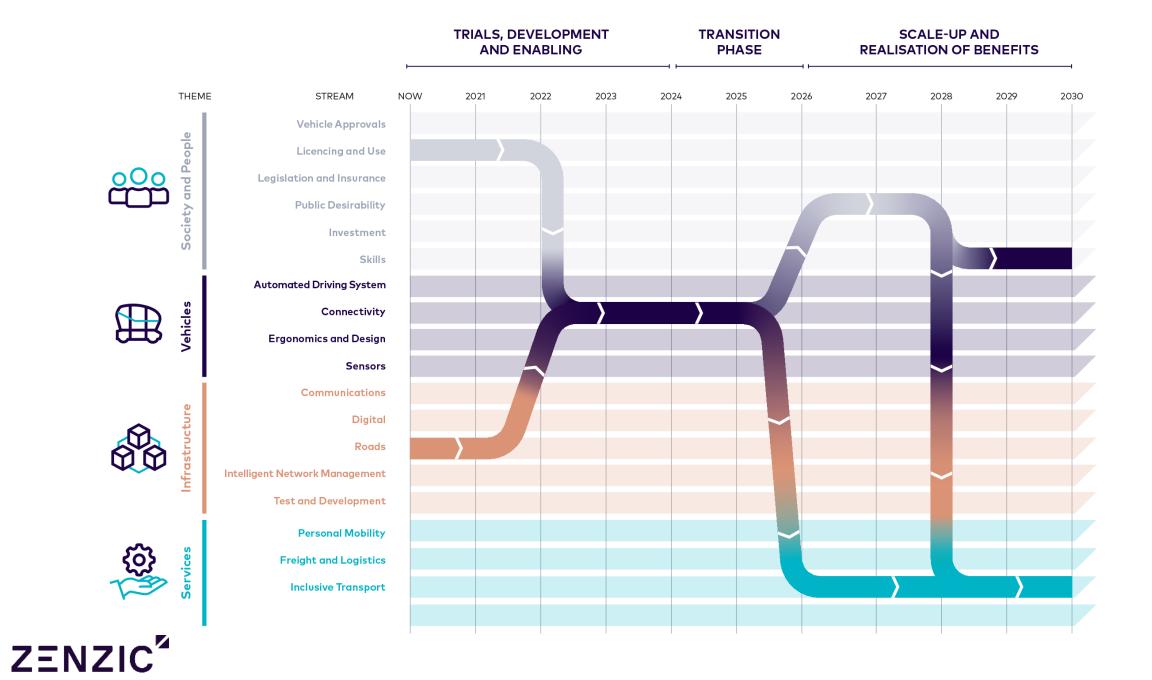
What is a Golden Thread?











Visit zenzic.io/roadmap

ZENZIC²



 Report downloads:
 1,500+

 Roadmap tool views:
 2,000 as at 31/10/2019







RCA, 2017





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Thank you

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