



CAV Development and Deployment in the UK





Future of Mobility

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



Clean growth

We will maximise the advantages for UK industry from the global shift to clean growth



Ageing Society

We will harness the power of innovation to help meet the needs of an ageing society



Artificial Intelligence

We will put the UK at the forefront of the AI and data revolution.

The UK's CAV ecosystem

Ensuring the UK is a world leader in CAV development and deployment



Open regulatory approach – you can test on UK roads now

Lead role: Government (CCAV)

£250m invested into R&D projects - cutting edge technology

Lead role: Government (CCAV)

£200m invested in testing infrastructure - a world leading ecosystem

Lead role: Meridian



Open regulatory approach

Testing – Code of Practice

Insurance – Automated and Electric Vehicles Act

Exploring wider domestic reforms

International leadership – UNECE Committees



safety



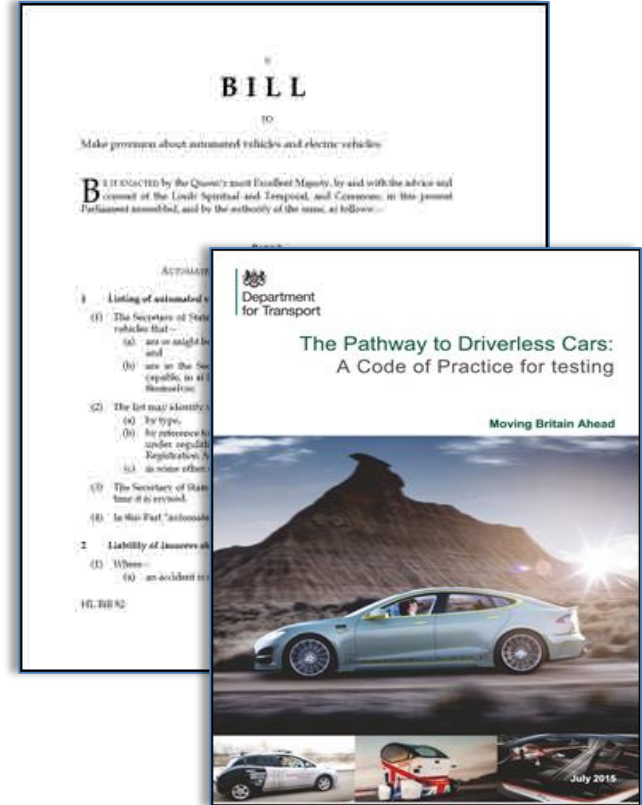
mobility



efficiency



productivity





R&D Projects: Significant trials and demonstrations



UK AUTODRIVE



GATEWAY



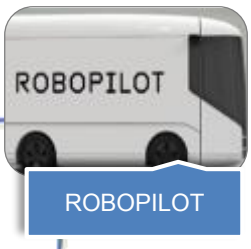
VENTURER



STREETWISE



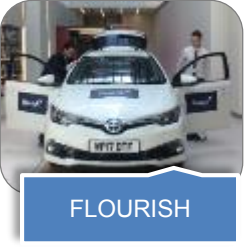
HUMANDRIVE



ROBOPILOT



DRIVEN



FLOURISH



INSIGHT



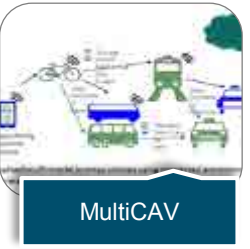
SYNERGY



CAPRI



T-CABs



MultiCAV



SHIFT



On Highway



Off Highway



Meridian

Meridian is the gateway to CAV development in the UK, aiming to lead the world's self-driving revolution from the heart of the UK.

By uniting industry, academia and government today we are shaping the global society and economy of tomorrow.

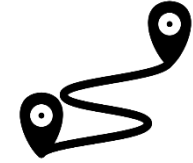
Testbed UK – An Integrated Ecosystem



Frictionless Data Sharing



Virtual Environments



Physical Test Sites



Principles and Standards

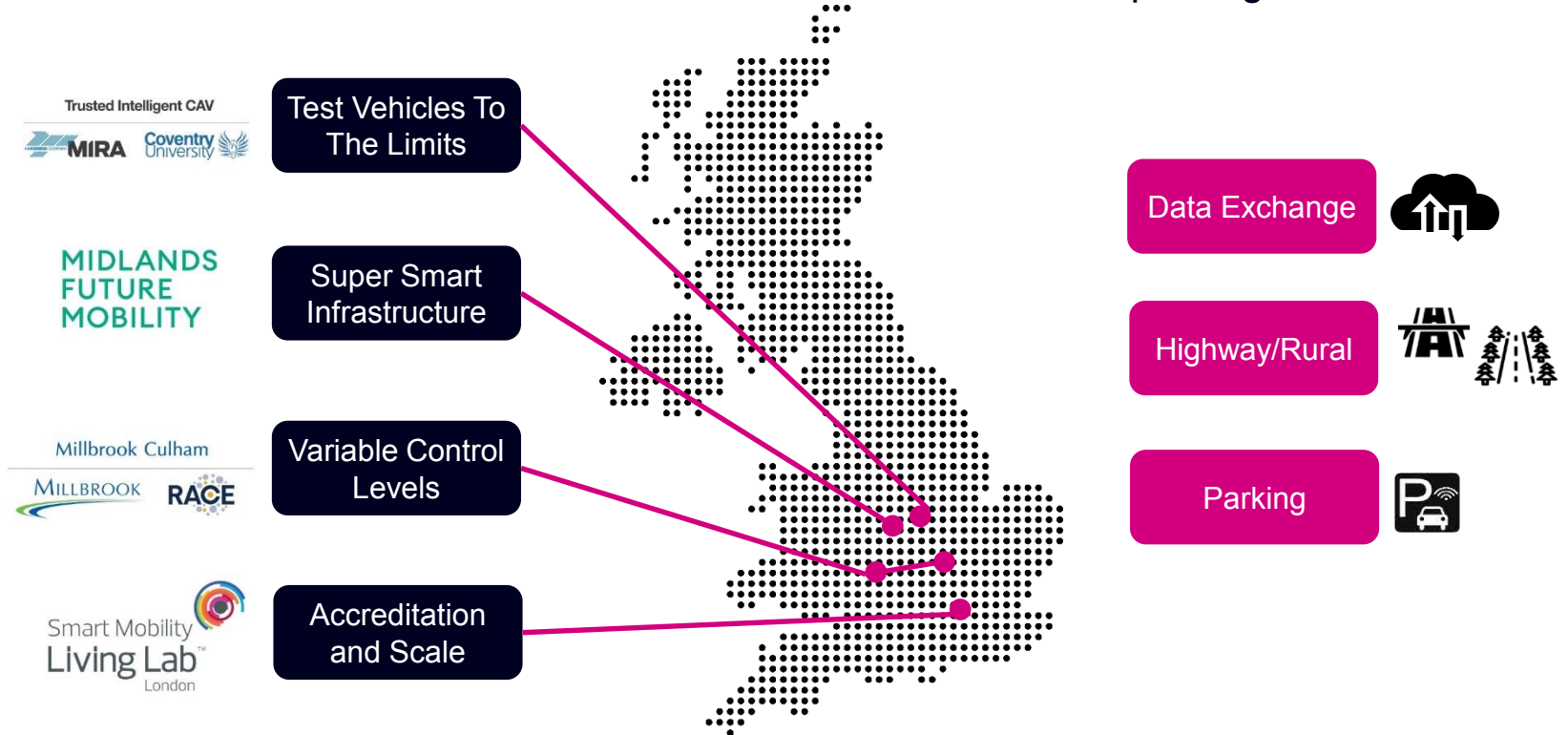


CAV Community

Testbed UK – An integrated ecosystem

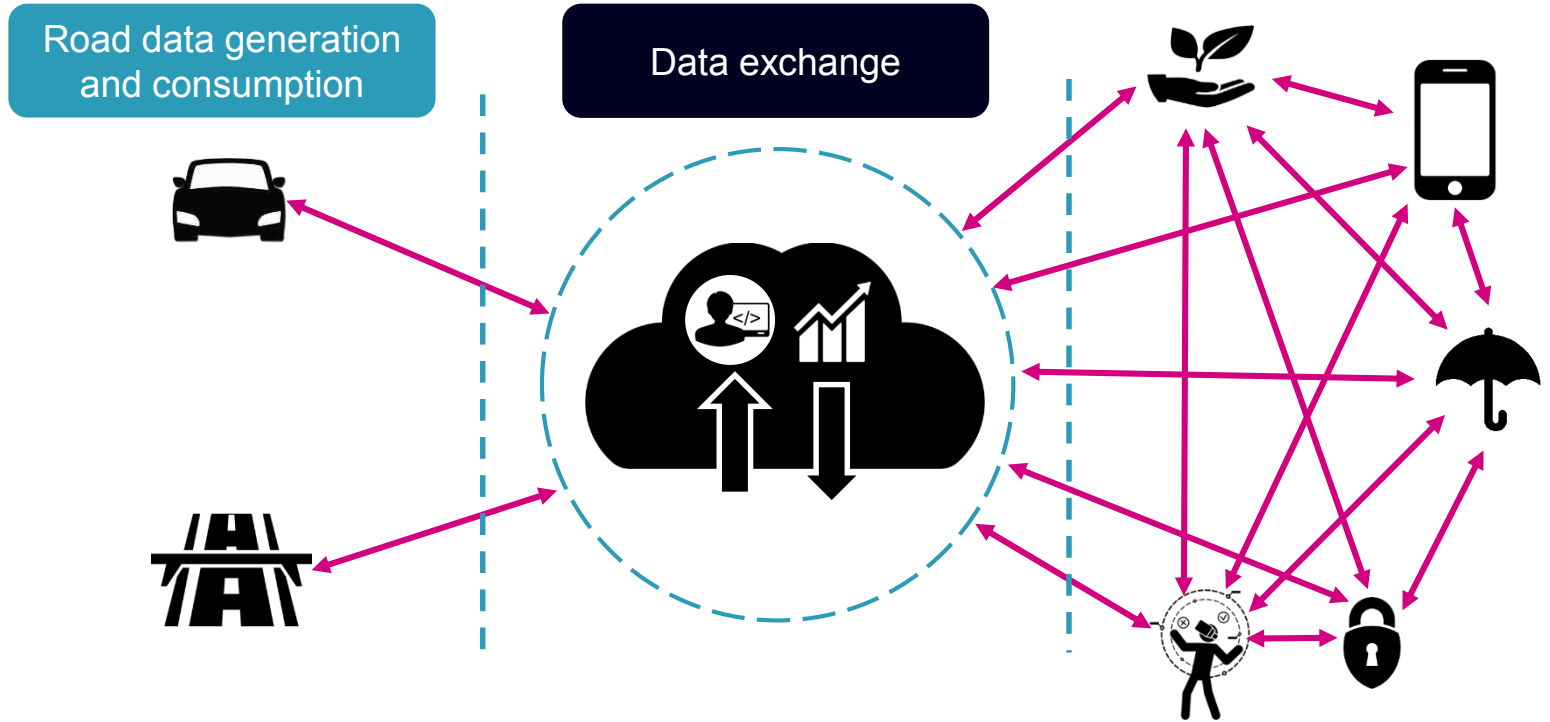
Phase 1: Physical testing in Urban environments

Phase 2: Addition of Highway rural, parking and data



Meridian Phase 2

Data exchange

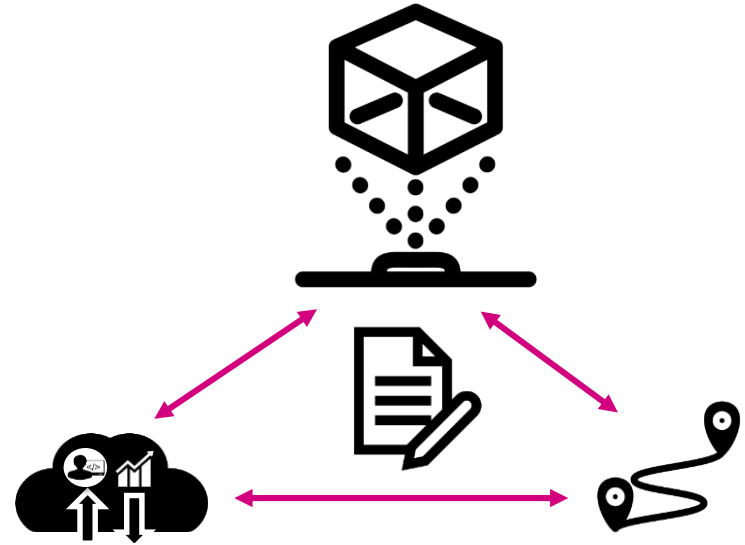


Simulation

Delivering **scalable simulation** technology

Underpinned by **physical test** environments and **real time data exchange** capability

Enabling **verification and validation** of autonomous vehicles and **rapid development** of appropriate best practice and standards



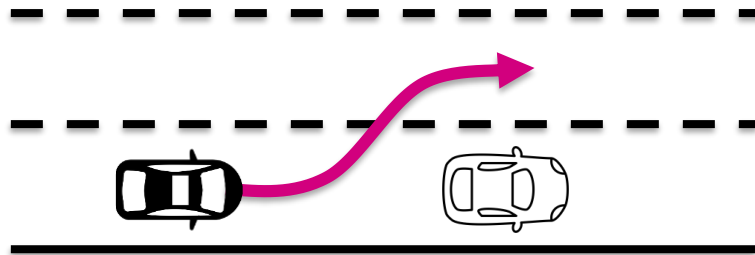
What do you simulate and what do you test?

Simulate scenarios

Situations

unpredictable

predictable



Test skills

Outcomes

Scenarios

OpenSCENARIO[®]
bringing content to the road



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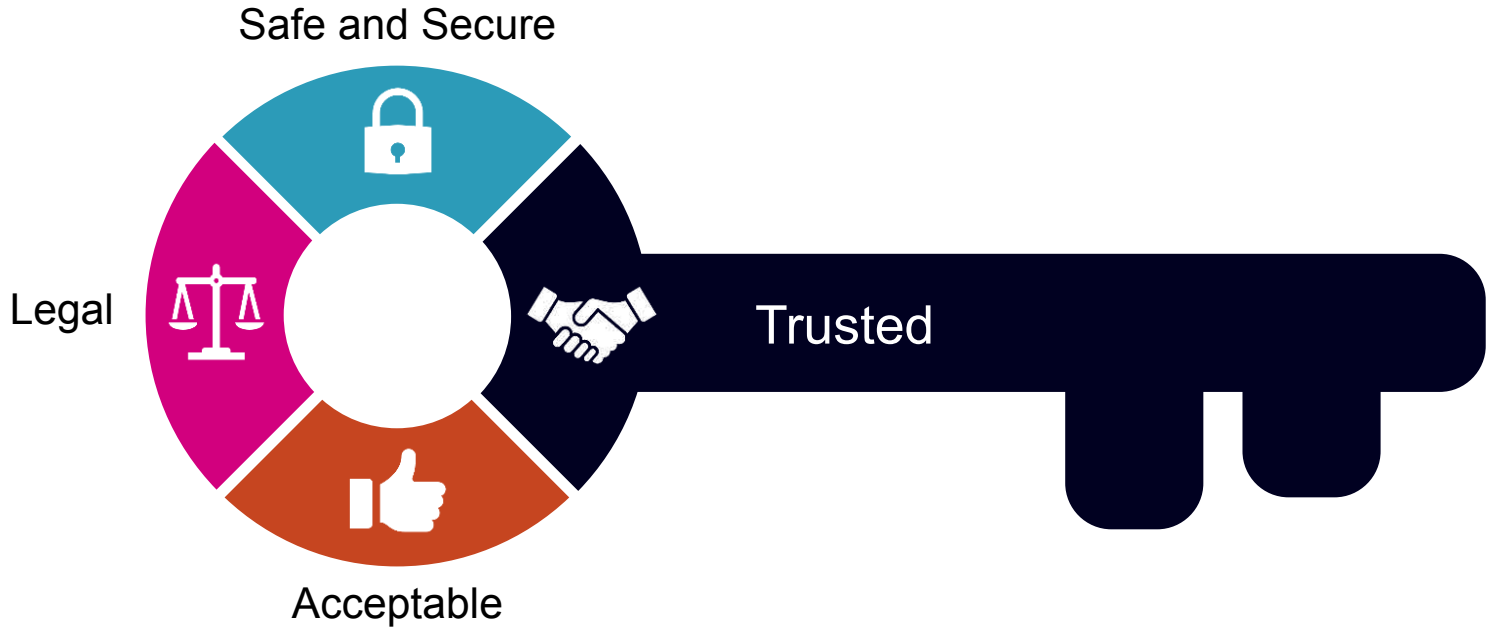
Situations

Cyber security and digital resilience

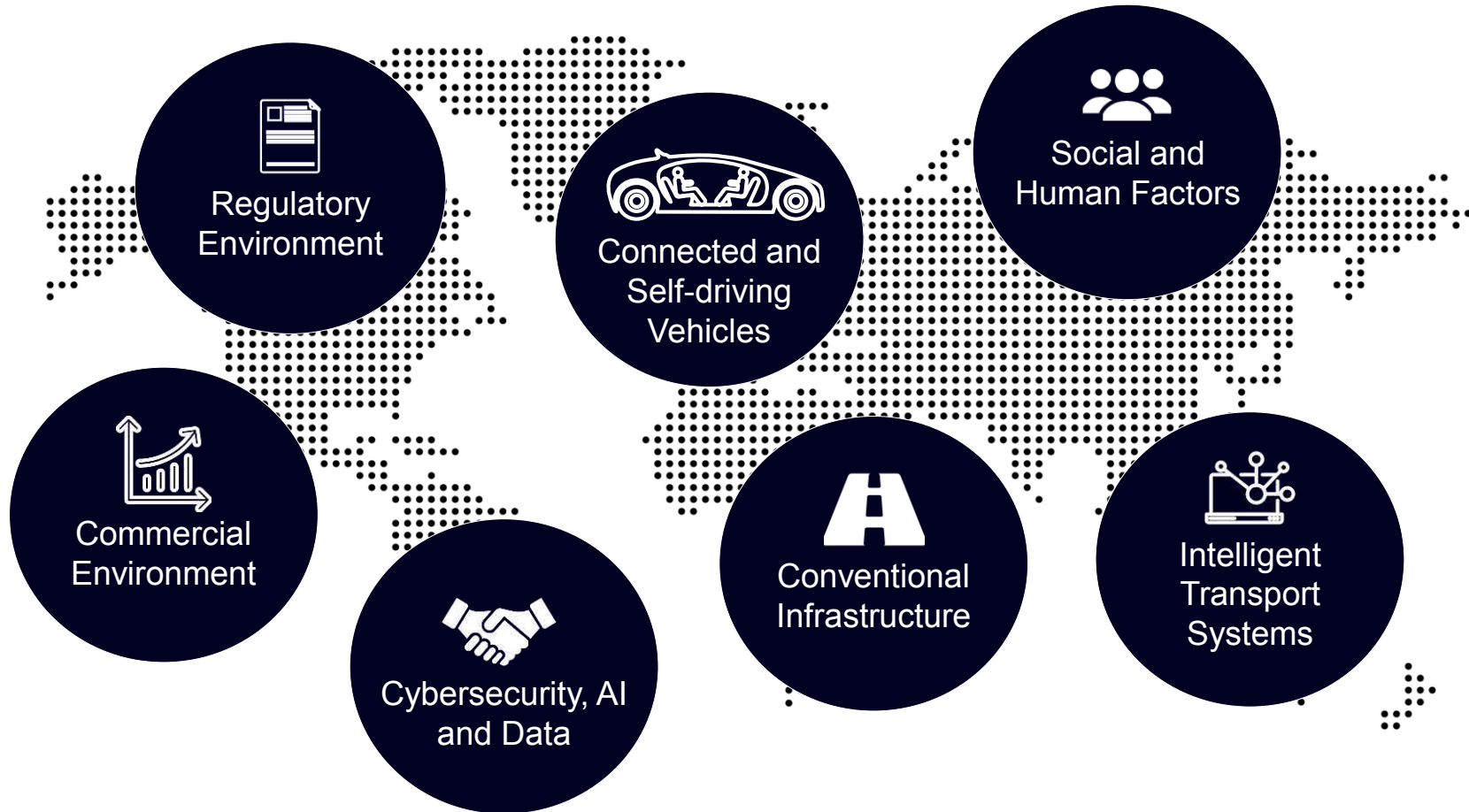
An opportunity and threat in a self-driving future



The elements of trust



Global collaboration will accelerate progress





Thank you

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