The ten member HumanDrive consortium has an ambitious target; to develop a human-like autonomous driving system that will drive a 200+ mile journey across the UK, through live traffic and in natural conditions. This 30-month project is part funded by the Centre for Connected and Autonomous Vehicles (CCAV) via Innovate UK and will finish in late 2019.

The most complex autonomously controlled journey yet attempted in the UK, the HumanDrive project will develop a prototype Connected and Autonomous Vehicle (CAV) with the aim of successfully demonstrating a live traffic, end-to-end journey in a variety of settings, including country roads, A-roads and motorways.

The project is being led by Nissan, supported by Hitachi Ltd., Cranfield University, Aimsun Ltd., HORIBA MIRA, University of Leeds, Atkins, Highways England, Secured by Design and the Transport Systems Catapult.

Discover more at humandrive.co.uk

Supported by:
BENEFITS
Successful completion of this project will take the UK one step closer to having autonomous vehicles on the road, helping the UK government to fulfil its Future of Mobility Grand Challenge.

Society
CAVs have the potential to significantly improve safety on our roads, reduce pollution and congestion, increase accessibility for vulnerable groups, enhance our public transport, support business and the economy, release driver time for other uses, ease the pressure on a stretched transport infrastructure, and develop the transport network across the whole UK (and beyond). Furthermore, it will mimic the driving behaviour of human beings, providing an enhanced experience for the occupants and ultimately helping with acceptance of these new technologies.

Establishing UK capability in CAVs
An estimated 1m CAV jobs will be created in the UK by 2035. HumanDrive is supporting this by helping to develop the necessary UK capabilities to establish a thriving CAV ecosystem.

A destination for R&D
The UK is a leader in CAV research, development and testing, backed by significant government investment, world-leading universities, and an open and innovative business environment. Learnings and technologies from this project will help to develop the autonomous vehicles and fleets of tomorrow.