



Association of Directors of  
Environment, Economy, Planning & Transport

## ADEPT President's Awards 2022

### Entry form

<b>Award category:</b>	Category 2: Digital innovation/technology
<b>Title:</b>	Connected Autonomous Vehicles
<b>Entrant:</b>	Milton Keynes Council
<b>Main contact name:</b>	Brian Matthews
<b>Email address:</b>	Brian.matthews@milton-keynes.gov.uk
<b>Partner/s (if applicable):</b>	Connecting Places Catapult
<b>Headline summary (150 characters, c. 20-25 words)</b> Milton Keynes has pioneered work with connected autonomous vehicles to remove transport barriers for all.	

Please note we need **at least one supporting image** per award submission.

Supporting images should be attached separately as jpg or png files.

Please paste links to any supporting video evidence here

Link 1	
Link 2	



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MKC embraced technologies beyond those typically sitting within local government by leading the development of consortia, drawn from industry, academia and other arms of government specifically brought together to develop new solutions, and indeed new business models.

A key obstacle to overcome when promoting alternative modes of transport is reliable and trusted data. With accurate real time data people can and will make better choices. MKC, working with its LEP and technology partners (BT, Satellite Applications Catapult, Open University, City Fibre and Huawei) built its own standalone 5G network. Comprising of 7 base stations a fibre network and state of the art Data Hub/ Exchange, this capability is perhaps unique in the UK at providing the most advanced thinking on how areas will need to embrace the ever changing digital revolution.

Having the network used to meet local objectives is the real outcome. With the Connected Places Catapult, MKC developed a business accelerator programme engaging the SME community (110 at our launch event) to develop new products and services designed to address our mobility challenges. Working with a range of SMEs we have provided support, expertise and business opportunities along with access to the 5G network to deliver a range of exciting new products and services covering AI controlled signals, City digital twins, and deployment of connected and autonomous vehicles.

This programme is now delivering outputs for the city particularly around connected and autonomous vehicle (CAV) services.

We know that access to services can be difficult to certain groups, removing this barrier by having self-driving vehicles opens mobility to all. The technology supports efficient, shared use of services which combined with real time demand responsive applications opens the use of vehicles for those who choose or cannot afford to own a personal vehicle. The services are likely to reduce accidents – (90% of accidents are linked to human error), and through partnerships with education and apprenticeship programmes support skills and training initiatives create jobs for the future.

We have several operations underway in MK using our ground breaking city technology

Starship Robots - a fleet of some 200 autonomous freight delivery vehicles are providing services to 50,000 homes.

Imperium have launched (January 2022) robo-taxis which sees vehicles driven remotely via a 5G enabled control room.

RDM operate several fully autonomous vehicles from 4-seater pods to a 15-seat bus. The services can provide door to door services with vehicles able to be deployed on shared surfaces

MKC and Via, a leader in TransitTech, came together to deliver a first of its kind demand responsive bus service in the UK that expands access to affordable, equitable, and efficient transport in the Borough.

MKC is leading the way in advancing future mobility with E scooter trials -only UK city with multi operators, e-cargo bike services, and with a whole city switch to electric buses by 2023 all



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brought together via a new city mobility app – ‘GetAroundMK’ – a one stop shop delivering the future of mobility!



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