# TRANSPORT TECH BRIEFING

For Councillors looking to develop a **greener, safer, more efficient** transport network.

Produced by

**Intelligent Transport Systems UK**

## Why transport technology?

Our transport network is rapidly changing, with new advances in the uses of data and AI increasing what we know about our network and how we manage and improve it. Ultimately, technology can help to reduce carbon, improve safety and make more efficient use of your transport system.



## 1. A more integrated transport network

Tools are available to better integrate your public transport network, providing your constituents with seamless journeys. **Mobility as a Service (MaaS)** combines transport services from public and private providers, typically through a unified app to create, manage and pay for a trip. **Demand responsive transport (DRT)** utilises technology to establish on-demand bus networks, with passengers booking rides on-the-go or scheduling trips in advance. These solutions reduce reliance on the private car, reducing congestion & carbon.

## 2. A greater understanding of your transport system

Transport authorities have access to more data sources than ever, whether through the use of **connected vehicles, transport location apps, ticketing services or freight movements**. Both historic and real-time data can be used to introduce and plan new transport services. The **Intelligent Traffic Management Fund**, a £20 million challenge fund to deploy advanced technology for traffic signals, using machine learning and AI, is currently open for bids and is a great way for your area to help benefit from innovative solutions.

## 3. More flexible use of your assets

Technology is allowing for a more flexible approach to transport infrastructure. For example, the Automated Vehicle Bill currently making its way through Parliament will set a requirement for Local Authorities to digitalisatise their **Traffic Regulation Orders (TROs)**. Digital TROs will allow a more dynamic approach to parking bays and the use of the kerbside, allowing Local Authorities to change how they use these assets more easily and quickly.

## 4. Better customer experience

Increasingly, the public are expecting clear, accessible and easy-to-use services from their Local Authorities. With the use of digital tools, you can ensure your transport network provides the best customer experience possible. For instance, the **National Parking Platform**, allows the public to use the parking app they wish in any location, thereby providing more customer choice.

## 5. A greener transport network

Transport is the leading emitter of carbon dioxide emissions in the UK, meaning that significant efforts will be required in order for the sector to meet Net Zero. Support has been provided by Government for **electric vehicle charging infrastructure** and green transport innovation, and we expect this to continue, to help Authorities take concrete steps towards meeting 2050 targets.