In 2018, electric vehicles (EVs) accounted for less than 1% of the 5.1 million vans, trucks and buses on the roads in the UK.

The electrification of road transport could lead to a 30% increase in today’s electricity consumption by 2050.

The transport and energy sectors can support each other to overcome the challenges of electrification.
Developing an EV Fleet-centred Local Energy System (EFLES)

The EFLES project aims to reduce the costs of fleet electrification by optimising smart charging and on-site energy assets, and exploring opportunities to generate revenue within both the local and national energy systems.

Moixa's GridShare software will monitor and forecast energy demand and optimise on-site resources.

On-site energy assets, including battery storage and the simulation of solar photovoltaic panels, will be integrated and optimised by GridShare.

Smart charging will deliver flexibility and spare capacity to support the electricity network and provide the opportunity for revenue generation.

The project will explore the potential for shared charging for publicly accessible rapid charge points.

Wider impacts of the project will be to:

- Create new revenue streams and reduce operational costs for EV fleet operators.
- Accelerate the rapid electrification of commercial fleets.
- Support a more sustainable and resilient energy network.
- Encourage wider EV take-up by improving access to rapid chargers.
- Reduce emissions from transport and improve air quality in London and beyond.

For more information visit: crossriverpartnership.org/projects/ev-fleet-centred-local-energy-system

EFLES is a one-year project which commenced in May 2020 and is funded by Innovate UK's Industrial Strategy Challenge Fund: Prospering from the Energy Revolution.