

Road to Zero

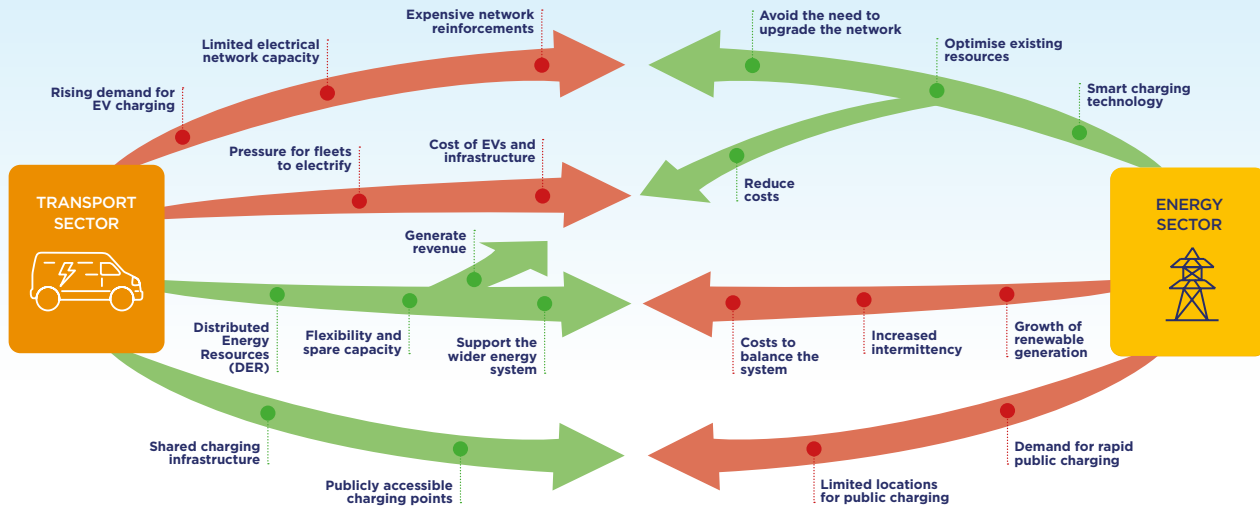
Co-ordinating solutions between the Energy and Transport sectors



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.

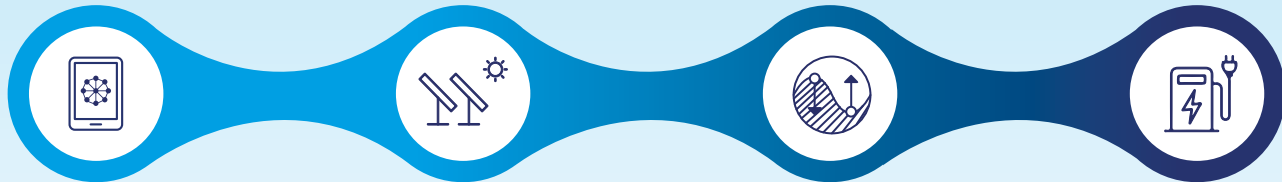
The transport and energy sectors can support each other to overcome the challenges of electrification.



- Challenge
- Solution

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