



DYNACOV



Project Brief

Dynamic Charging of Vehicles (DynaCoV) is a research and development project, funded by Western Power Distribution through their Network Innovation Allowance (NIA) budget. The project will deliver a feasibility study looking at dynamic wireless charging. This technology uses equipment installed underneath road surfaces to enable electric vehicles to recharge as they drive.

As part of the project, Cenex is delivering a literature review and feasibility assessment of dynamic wireless charging, focussing on the present and future development of this innovative technology and the impact that it may have on the UK's electricity networks. Cenex will then be assisting in modelling the grid impacts of dynamic wireless charging on a main road in Coventry.



Objectives

- Review the current and future development of dynamic wireless charging technology and supply chain, in the UK and worldwide.
- Determine the potential impact of dynamic wireless charging on the UK electricity network.
- Model the grid impacts of dynamic wireless charging technology in a real-world setting; a main road in Coventry.
- Conduct an initial examination of the business case for dynamic wireless charging infrastructure.



Deliverables

A detailed report examining the feasibility of dynamic wireless charging technology and its implications for the UK electricity network.