



CABLED - Coventry and Birmingham Low Emission Demonstrators

Arup

Overview

The Arup-led CABLED project is the largest of 8 UK projects forming part of the Technology Strategy Board's Ultra Low Carbon Vehicle Demonstrator programme.

The project is part-funded by the Technology Strategy Board, with support from Advantage West Midlands. It aims to demonstrate that ultra low carbon vehicles are now a practical alternative to conventionally fuelled cars in the urban environment.

Innovative thinking

This project is the first of its kind to place electric vehicles (EVs) in the hands of real users for an extended period of time and collect quantitative and qualitative data on their usage. 110 vehicles from six manufacturers are being trialled as everyday cars for 12 months on the streets of Birmingham and Coventry.

Influencing government strategy

The data collected will assist in developing a strategy for EVs in UK and predictions for the speed, costs and economic benefits associated with mass uptake of all ultra-low carbon vehicles. Local policy and planning will also be shaped through an understanding of charge point use. Journey data captured will assist in forecasts of EV market size and potential carbon savings.

An early indication of grid demand levels has also been captured through monitoring charging data; this provides forewarning to electricity generators and distributors of likely future impacts.

Benefits for the future

The CABLED project will help us to understand the environmental and economic implications of electric vehicles. Potential benefits of a move to EVs include:

- Improvement in air quality
- Reduction in carbon emissions
- Reduction of carbon footprints in cities
- Reduction of traffic generated noise
- Catalyst for developing a supply chain in the UK

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