



# [Integrated Transport and Smart Energy Solutions for Major Urban Developments (ITSES)]

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## Introduction

Integrated Transport and Smart Energy Solutions for Major Urban Developments (ITSES) is a collaborative technical Feasibility study that sets out to find new technical solutions and business models for integrating vehicle-to-grid (V2G) with two urban systems: energy and transport.

## Aim

This collaborative feasibility study utilises two planned rail stations of Old Oak Common and Park Royal, an area in London set to become a UK example of a Smart and Integrated City, to analyse whether V2G has the ability to integrate with urban energy and transport systems, thus reducing demand on the grid.

## Expected deliverables

- The technical feasibility of installing V2G at the two pilot sites identified, both in terms of electricity network infrastructure, building demand requirements and vehicle use patterns.
- The economic case by evaluating the economics relating to infrastructure installation, building demand support options and market trading opportunities.
- The social benefits to the wider community, commuters and vehicle owners using the site in order to establish a robust business case for installation of the technology at both the pilot sites and Old Oak Common.

## Required partners

- Electric Vehicle Manufacturers
- Aggregators
- Energy Network Operators

## More information / Website

<http://www.costain.com/news/news-releases/integrated-transport-technology-systems/>

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