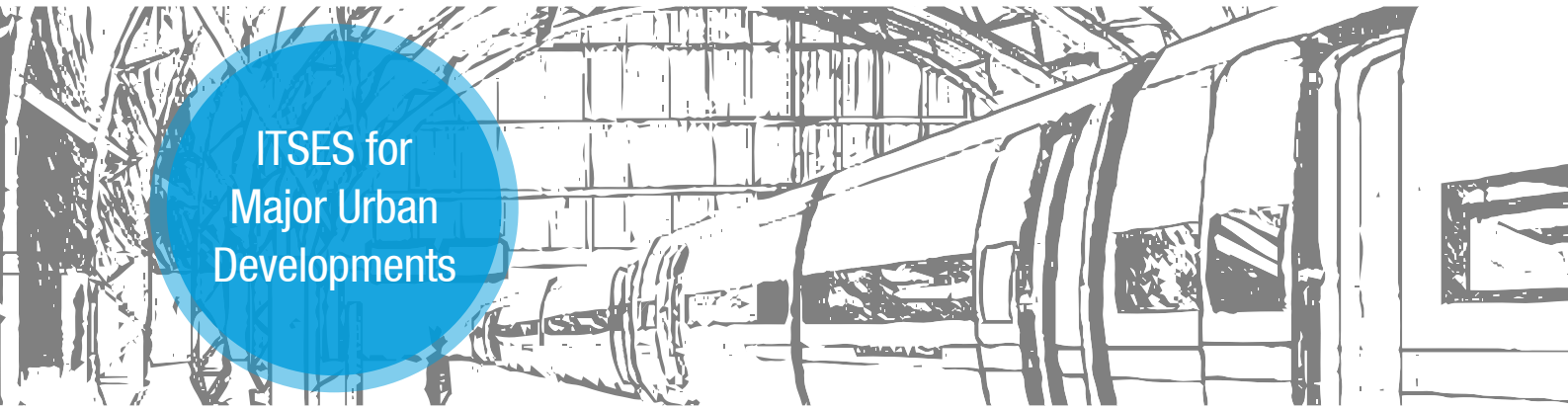
cenex

Independent, not-for-profit, low emission vehicle research and consultancy organisation

ITSES

Part funded by:
Innovate UK



ITSES for Major Urban Developments

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.

Funded by Innovate UK, 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. Working with Costain, Cenex is also leading on the assessment of the technical, social and economic benefit of V2G within this smart city re-development plan.

This feasibility study will explore:

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.

Unlocking new opportunities for businesses, infrastructure and the communities will provide the UK with a real-world analysis of the potential for a large scale roll out of V2G. If the study yields positive results, redevelopment of the construction plans to include V2G in the development areas will be conducted.

For more information, contact us now:

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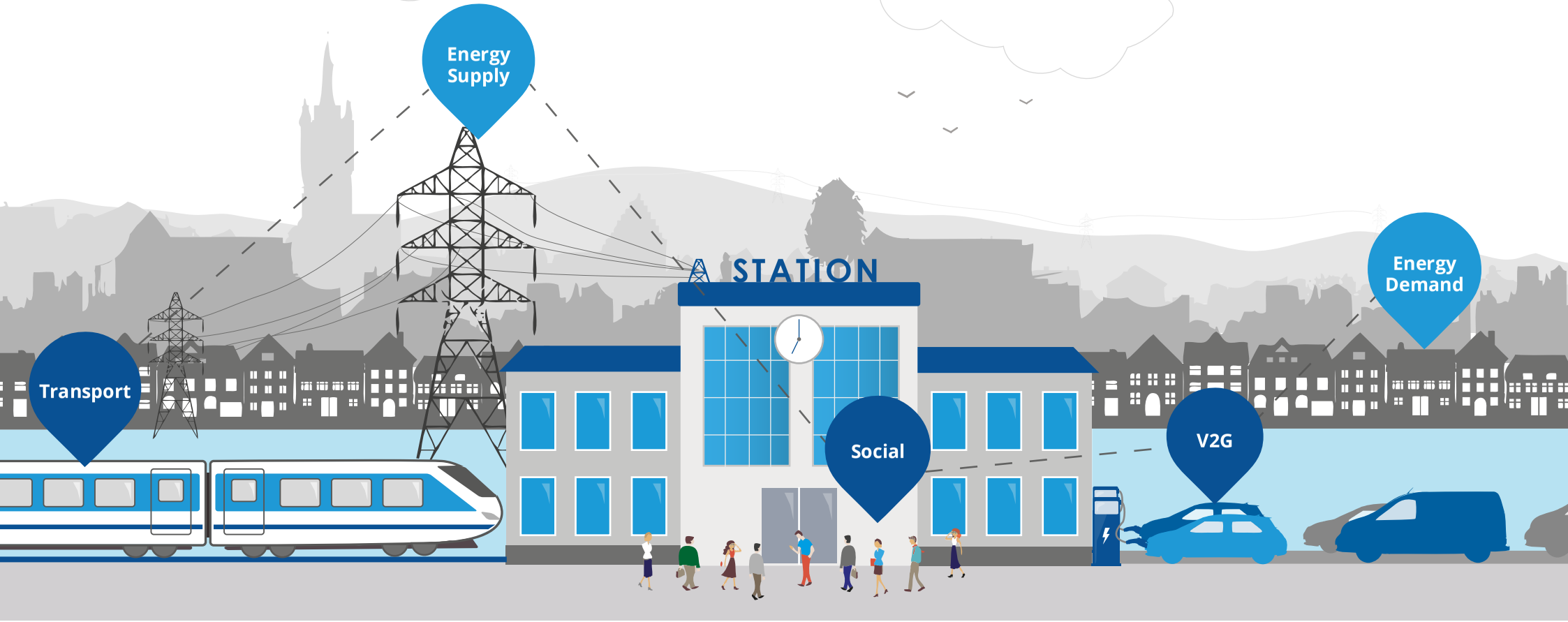
Integrated Transport and Smart Energy Solutions for Major Urban Developments (ITSES)

ITSES



Project Partners: COSTAIN, cenex

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