

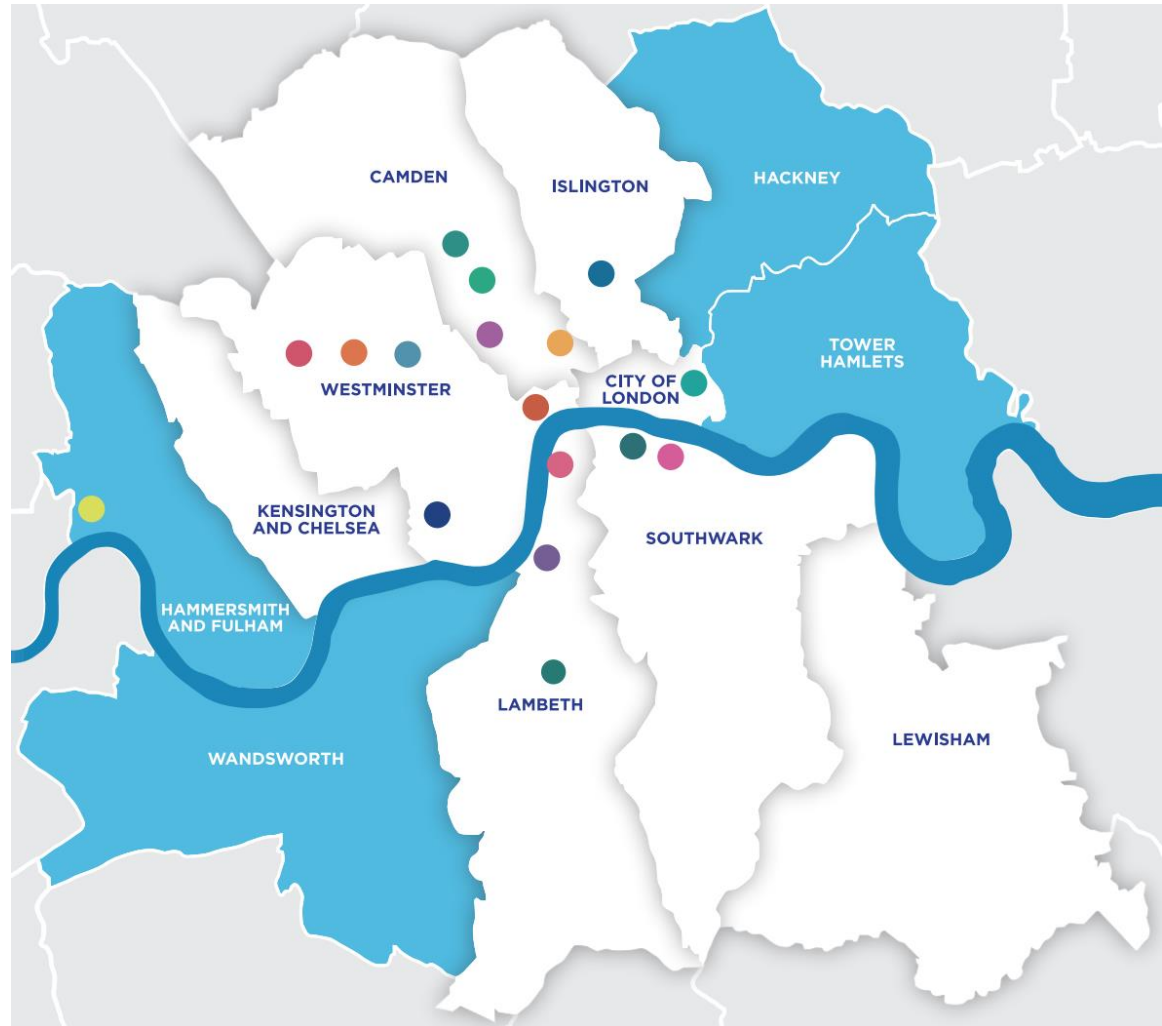


5TH March 2020



Cross River Partnership

- 25 years of delivering positive change for London's residents, businesses and visitors
- Non-profit and impartial
- Collaboratively working with our public, private and community partners on innovative projects



Collaboration improves innovation



Sustainability drivers and electrification barriers



Key enabler



Integrated solution design and testing



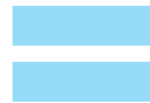
Public sector engagement and project management



Innovate UK



Office for Low Emission Vehicles



Smart Electric Urban Logistics

Public sector engagement



Operator will need to:

- Engage early with the Distribution Network Operator
- Apply an optimum combination of solutions to overcome local grid capacity constraints
- Manage energy and vehicles and smartly



A MODEL FOR THE FUTURE

Benefits:

- Fewer regret costs
- Minimal investment in 3rd party assets
- Lower operational costs

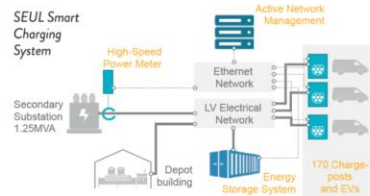
And not least...

- Improved Air Quality
- Lower Greenhouse Gas emissions
- Better driver experience
- Sustainable cities

September 2019

Unlocking freight fleet electrification through smart charging

Local grid infrastructure constraints prevented global logistics firm UPS from expanding its central London plugin truck fleet beyond 52 EVs. Smart Electric Urban Logistics (SEUL) has overcome this problem and enabled future electrification of the full fleet, without the need for further grid reinforcement.



The two and a half-year project, funded by OLEV in partnership with Innovate UK, incorporated active network management, energy storage and the development of an innovative timed connections assessment tool.

Lessons for the future

The timed connections tool developed by UK Power Networks has helped overcome local capacity constraints.

The project has demonstrated the optimal suitability of EVs for urban distribution. SEUL has provided UPS with a suite of increasingly cost-effective solutions for fleet electrification.

More work on increasing the efficiency and responsiveness of local energy systems will help to further reduce the cost of fleet electrification.

Innovate UK  Office for Low Emission Vehicles

For more information <https://crossriverpartnership.org/projects/smart-electric-urban-logistics/>





Tom Linton-Smith

Project Manager

tomlintonsmith@crossriverpartnership.org