

Project ID	DIP098		
Long Title	SmartHubs		
Short Title			
Keywords	Small-scale; Multi-sector/Grid; Electricity; Transport; Direct Electric Storage; Vehicle-to-Grid; Electric & Hybrid Vehicles; Smart Transport Networks; Transport System Enablers; Energy Strategy Development;		
Location (Town, Region, Country)	Huntingdon	Cambridgeshire	England
Latitude and Longitude	52.30N	0.08W	
OSGB code	TL 45 91		
Status	Ongoing		
Start Date	2018		
End Date	2020		
Description	<p>The demonstrator will target early adopters of V2G mostly in the commercial area comprising six sites and 150 V2G enabled EVs. The demonstrator will seek to answer the following research questions:</p> <ol style="list-style-type: none"> 1. What are the accessible service revenues for V2G systems in real life applications? 2. How can static and dynamic storage be integrated in a single site to optimise service revenues? 3. What is the optimum power rating and cost for a V2G bi-directional inverter when considering lifetime system cost verse lifetime service revenues? 		
Sectors	Transport		
Funding Sources	InnovateUK		
Budget £	£2.2 million		
Partners	Flexisolar, Turbo Power Systems, EA Technology, University of Newcastle		
Energy vectors	Electricity, Transport		
Scale (lab/site /small/community/region/national)	Small		
Technologies demonstrated	Battery storage, EV charging, vehicle-to-grid		
Economic models demonstrated	Grid services, new commercial models		
Other concepts demonstrated			
Industry engagement			
Consumer engagement			
Project Reports (incl. links)			
Datasets (incl. links)			

Website/social media	
Information sources	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/681321/Innovation in Vehicle-To-Grid V2G Systems - Real-World Demonstrators - Competition Results.pdf