

Project ID	DIP049		
Long Title	Hybrid Bus Charging Technology		
Short Title	BusChrg		
Keywords	Small-scale; Urban; Electricity; Transport; Electric & Hybrid Vehicles; Smart Transport Networks; Transport System Enablers; Environmental Impacts;		
Location 1 (Town, Region, Country)	Cumbernauld		Scotland
Latitude and Longitude	55.97N	3.97W	
OSGB code	NS 769 772		
Location 2 (Town, Region, Country)	London		England
Latitude and Longitude	51.51N	0.01E	
OSGB code	TQ 394 813		
Status	Complete		
Start Date	2013		
End Date	2015		
Description	The introduction of low emission vehicle technology stimulated the need for a hybrid-powered bus, using both a conventional diesel powered engine and an inductively charged battery pack to power on electric drive train. Consequently, Alexander Dennis, British Aerospace, AxeonPower, SSE and the University of Strathclyde's PNDC received grant funding to build, deploy and test the functionality of this inductively charged Hybrid Bus.		
Sectors	Transport		
Funding Sources	Scottish Enterprise		
Budget £	Undefined		
Partners	Alexander Dennis, BAe, Axeon Power, SSE, University of Strathclyde		
Energy vectors	Electricity, Transport		
Scale (lab/site/ small/community/region/national)	Small		
Technologies demonstrated	EV charging, wireless charging		
Economic models demonstrated			
Other concepts demonstrated			
Industry engagement			
Consumer engagement			
Project Reports (incl. links)	Paper: <a href="https://pure.strath.ac.uk/portal/en/publications/a-modelbased-analysis-method-for-evaluating-the-grid-impact-of-ev-and-high-harmonic-content-sources(0a156887-f9fa-4701-9c93-f3547c7a53af).html">https://pure.strath.ac.uk/portal/en/publications/a-modelbased-analysis-method-for-evaluating-the-grid-impact-of-ev-and-high-harmonic-content-sources(0a156887-f9fa-4701-9c93-f3547c7a53af).html</a>		

Datasets (incl. links)	
Website/social media	<a href="https://www.pndc.co.uk/portfolio/hybrid-bus-charging-technology/">https://www.pndc.co.uk/portfolio/hybrid-bus-charging-technology/</a> <a href="https://www.alexander-dennis.com/products/double-deck-2-axle/enviro400ve/">https://www.alexander-dennis.com/products/double-deck-2-axle/enviro400ve/</a>
Information sources	As above