

Project ID	DIP021		
Long Title	Domestic Energy Storage and Control		
Short Title	DESC		
Keywords	Small-scale; Electricity; Solar PV; DC Network; Direct Electric Storage; Power Quality & Grid Integration; Data Acquisition		
Location (Town, Region, Country)	Various (see below)		England
Latitude and Longitude	n/a		n/a
OSGB code	n/a		
Status	Ongoing		
Start Date	2016		
End Date	2018		
Description	<p>The project will involve collecting 12 months' worth of data on how much energy is generated, stored and transferred to the grid by domestic customers who own solar photovoltaic (PV) cells and energy storage units. We are gathering data from 70 participants who all have solar panels and domestic batteries of different makes and sizes – produced by three different manufacturers: Powervault (UK), Sonnen (Germany) and Tesla (USA). A total of 55 of the devices are alternating current (AC) devices and 15 are direct current (DC) devices. The participants all live across our three licence areas in London, the East of England and the South East Coast.</p>		
Sectors	Domestic		
Funding Sources	Network Innovation Allowance		
Budget £	£625,700		
Partners	UK Power Networks, Powervault, Sonnen, Tesla		
Energy vectors	Electricity		
Scale (lab/single/small /community/region/national)	Small		
Technologies demonstrated	Solar PV, battery storage, DC network, network data acquisition		
Economic models demonstrated			
Other concepts demonstrated			
Industry engagement			
Consumer engagement	70 households		
Project Reports (incl. links)	<p>Progress reports. http://www.smarternetworks.org/project/nia_ukpn0021/documents</p>		
Datasets (incl. links)			
Website/social media	https://innovation.ukpowernetworks.co.uk/innovation/en/Projects/tier-1-projects/domestic-energy-storage-and-control/		
Information sources	http://www.smarternetworks.org/project/nia_ukpn0021		