Project ID	DIP106		
Long Title	Storage Enabled Sustainable Energy for Buildings and Communities		
Short Title	SENSIBLE		
Keywords	Small-scale; Multi-sector/Grid; Electricity; Direct Electric Storage; Power Quality & Grid Integration; Smart Grids; Active Network Management; LV Grid Monitoring; Social Impacts; Energy Strategy Development;		
Location (Town, Region, Country)	Nottingham		England
Latitude and Longitude	52.56N	1.12W	
OSGB code	SK 540 385		
Status	Ongoing		
Start Date	2015		
End Date	2018		
Description	Project SENSIBLE will explore the integration of small scale, widely available technologies into local power grids. Project SENSIBLE will: • develop and demonstrate power electronic technologies that enable the full set of storage functions • develop measures and methods for safe storage integration into buildings and power networks • develop and demonstrate advanced ICT tools for the control and management of distribution networks • develop and demonstrate power and energy management in buildings and local communities • develop and demonstrate locally-focused energy market services • define specifications enabling new distributed energy storage products, markets and businesses • conduct life cycle analyses (LCA) and assess the socio-economic impact of small-scale storage integrated in buildings, as well as communities and distribution networks		
Sectors	Grid		
Funding Sources	Horizon 2020		
Budget £	€1.44 million (UK allocation)		
Partners	Siemens, University of Nottingham, Meadows Ozone Energy Services		
Energy vectors	Electricity		
Scale (lab/site /small/community/region/national)	Small		
Technologies demonstrated	LV grid monitoring, smart controls, active network		

	management, battery storage
Economic models demonstrated	Grid services, new commercial models, local energy market
Other concepts demonstrated	
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	https://www.projectsensible.eu/downloads/ https://www.projectsensible.eu/news/ Paper: http://eprints.nottingham.ac.uk/44788/ Paper: http://eprints.nottingham.ac.uk/44789/ Paper: http://www.ibpsa.org/proceedings/BS2017/BS2017_074.pdf
Datasets (incl. links)	
Website/social media	https://www.projectsensible.eu/
Information sources	https://cordis.europa.eu/project/rcn/194405_en.html