Project ID	DIP018		
Long Title	Demand Response in Blocks of Buildings		
Short Title	DR-BOB		
Keywords	Single Site; Non-domestic; Electricity; Power Quality & Grid Integration; Smart Grids; Demand Response; LV Grid Monitoring; Data Acquisition;		
Location (Town, Region, Country)	Middlesborough	Tyne&Wear	England
Latitude and Longitude	54.57N	1.24W	
OSGB code	NZ 495 197		
Status	Ongoing		
Start Date	2016		
End Date	2019		
Description	The aim of the DR-BOB project is to demonstrate the economic and environmental benefits of demand response in blocks of buildings for the different key actors required to bring it to market. To achieve its aim the DR-BOB project will: • Integrate existing technologies to form the DR-BOB Demand Response Energy Management solution for blocks-of-buildings with a potential ROI of 5 years or less. • Demonstrate the DR-BOB integrated solution at four sites operating under different energy market and climatic conditions in the UK, France, Italy and Romania with blocks-of-buildings covering 274,665 m2, a total of 47,600 occupants over a period of at least 12 months. • Realise up to 11% saving in energy demand, up to 35% saving in electricity demand and a 30% reduction in the difference between peak power demand and minimum night-time demand for building owners and facilities managers at the demonstration. • Identify revenue sources with at least a 5% profit margin to underpin business models for each of the different types of stakeholders required to bring demand response in the blocks-of-buildings to market in different local and national contexts. • Engage with at least 2,000 companies involved in the supply chain for demand response in blocks of buildings across the EU to disseminate the projects goals and findings.		
Sectors	Non-domestic		
Funding Sources	Horizon 2020		

Budget £	€5.1 million
Partners	Teeside University, Siemens PLC
Energy vectors	Electricity
Scale (lab/site/small /community/region/national)	Site
Technologies demonstrated	LV grid monitoring, demand data acquisition, smart controls
Economic models demonstrated	
Other concepts demonstrated	Demand response, grid constraint mitigation
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	https://www.dr-bob.eu/publications/
Datasets (incl. links)	
Website/social media	https://www.dr-bob.eu/
Information sources	https://cordis.europa.eu/project/rcn/200166_en.html