Demand Response in Blocks of Buildings	Project ID	DIP018			
Single Site; Non-domestic; Electricity; Power Quality & Grid Integration; Smart Grids; Demand Response; LV Grid Monitoring; Data Acquisition; England	Long Title	Demand Response in Blocks of Buildings			
Integration; Smart Grids; Demand Response; LV Grid Monitoring; Data Acquisition; Location (Town, Region, Country) Middlesborough Tyne&Wer England 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.	Short Title	DR-BOB			
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Funding Sources Horizon 2020	Sectors	Non-domestic			
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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	