



Department for  
Business, Energy  
& Industrial Strategy

## Power Forward Challenge: funding for UK / Canada joint challenge on smart energy systems innovation

### Summary Pilot Scale Demonstration Details

- Demonstration projects;
- 4 projects;
- Total value of grants: approx. £5.5 million

Title	Lead Partner and other Partners	Grant Value	Project Description
Modelling the Economic Reactions Linking Individual Networks (MERLIN)	Scottish and Southern Electricity Networks, Opus One Solutions, Open Grid Systems Limited, Hydro Ottawa, University of Cambridge	£1.72m	This project will deliver a first-of-a-kind transactive energy management system in the UK to optimise economic network investment, maximise the business case of industry investors and deliver cost efficient energy to the wider consumer, from 2021 and beyond
Energy Open Piazza	UNIT9 Ltd, Simptek, EP&T Global, UCL Energy Institute, Sheffield University, Carbon Smart, Avison Young Canada, Avison Young UK	£1.18m	This project will be a platform that enables electricity data democratisation through interoperability
ENERGY-IQ	Qbots Energy, Manchester Metropolitan University, Bruntwood, Energy Systems Catapult (ESC), Hildebrand, ICONICS Canada, Lanner Canada (LEI), Penso Power	£1.79m	This project will develop and demonstrate an innovative, energy management automation tool for small, non-domestic users to increase the efficiency of their buildings, reduce energy bills by demand shifting and respond to the energy markets, while contributing to the reduction of UK's carbon emissions
Cloud Zonal Use of System (Cloud ZUoS)	Scene Connect, Locogen, Mentone Energy, Enbala	£0.8m	This project will provide optimal grid and electricity costs within a simulated local energy market (LEM) context, by integrating grid and load control across generation, storage, and demand side response