

Project ID	DIP099		
Long Title	SMILE Orkney		
Short Title	SMILE		
Location (Town, Region, Country)	Various	Orkney	Scotland
Latitude and Longitude	59N	3W	
OSGB code	HY 43 13		
Status	Ongoing		
Start Date	2017		
End Date	Undefined		
Description	<p>The goal of the pilot is to address existing energy challenges by integrating a new Demand Side Management system with the existing smart generation grid. This will provide intelligent control and aggregation of electric heating systems in homes, businesses and council buildings, as well as EV charging points and hydrogen electrolyzers.</p> <p>This project builds on previous smaller scale trials which demonstrated viable control technologies, communication systems, and commercial arrangements, for integrating with the existing smart grid. A distinctive aspect of the project is that demand response services will be delivered by a new local energy company, which will be a consortium of local generators and other stakeholders. The system specification and operating parameters will be approved by the DSO, which will also retain final oversight of the system, but day to day management will be undertaken by the local company and its contractors.</p>		
Sectors	Domestic, non-domestic		
Funding Sources	Horizon 2020		
Budget £	£14 million		
Partners	Community Energy Scotland, Route Monkey, Sunamp Ltd., VCharge UK		
Energy vectors	Electricity, Heat		
Scale (lab/small/community/region/national)	Region		
Technologies demonstrated	Smart grid, DSR, renewable integration, aggregation, EVs, power-to-fuel		
Economic models demonstrated	Local energy companies		
Other concepts demonstrated			
Industry engagement	Various (undefined)		
Consumer engagement	Various (undefined)		
Project Reports (incl. links)			
Datasets (incl. links)			

Website/social media	<a href="http://www.h2020smile.eu/">http://www.h2020smile.eu/</a>
Information sources	As above