

Project ID	DIP003		
Long Title	Accelerating Renewable Connections		
Short Title	ARC		
Keywords	Region; Multi-sector/Grid; Electricity; Power Quality & Grid Integration; Active Network Management; LV Grid Monitoring;		
Location (Town, Region, Country)		East Lothian / Borders	Scotland
Latitude and Longitude	55.81N	2.48W	
OSGB code	NT 70 58		
Status	Complete		
Start Date	2013		
End Date	2016		
Description	<p>Accelerating Renewable Connections (ARC) will facilitate the increased penetration of renewable generation gaining access to the distribution network in a timely manner. This will be achieved by:</p> <ul style="list-style-type: none"> • Empowering customers to make informed choices relating to their connection requirements • Apply novel commercial and technical approaches that will create the foundation for future connection options • Inform the development of business processes required to facilitate a greater level of renewable generation • Build upon the learning developed from previous and existing Low Carbon Network Funded projects to date via collaboration with other DNO partners. <p>The ARC solution will demonstrate this by:</p> <ul style="list-style-type: none"> • Providing stakeholders with a richer source of information, which will inform developers on the potential for traditional or smart connections • Facilitating the role communities can play in balancing community generation with local demand • Addressing the commercial and technical issues associated with exporting Grid Supply Points (GSPs) and providing evidence to inform the debate on investment strategies of smart solutions. 		
Sectors	Multi-sector/Grid		
Funding Sources	Low Carbon Network Fund		
Budget £	£7.74 million		
Partners	SP Energy Networks, Smarter Grid Solutions, Community Energy Scotland, University of Strathclyde		
Energy vectors	Electricity		

Scale (lab/site/small /community/region/national)	Region
Technologies demonstrated	Active network management, network data acquisition
Economic models demonstrated	New commercial models
Other concepts demonstrated	Demand response, grid constraint mitigation
Industry engagement	Industry partners
Consumer engagement	
Project Reports (incl. links)	Significant library, including closedown report, available from project website. Report: https://strathprints.strath.ac.uk/50135/
Datasets (incl. links)	
Website/social media	https://www.spenergynetworks.co.uk/pages/arc_accelerating_renewable_connections.aspx
Information sources	http://www.smarternetworks.org/project/spt2004