

Project ID	DIP023		
Long Title	Dundee Low Carbon District Energy Hub		
Short Title			
Keywords	Site; Non-domestic; Electricity; Heat; Solar PV; Solar Thermal; Heat Pumps; Microgrids; District Heating;		
Location (Town, Region, Country)	Dundee		England
Latitude and Longitude	56.48N		2.95W
OSGB code	NO 413 328		
Status	Ongoing		
Start Date	2017		
End Date	2018		
Description	<p>Led by Dundee City Council, the Low Carbon District Energy Hub forms an integral part of a partnership project to construct a new £21m Regional Performance Centre for Sport (RPCS) at Caird Park, Dundee. Consisting of a ground source heat pump system, heat will be distributed to three buildings on site via a District Heating network of flow and return pipework buried below ground. Solar thermal heat will also be generated from photovoltaic panels on the roof of the energy centre. In line with the Scottish Government's Renewable Energy Targets, the Energy Hub will be capable of generating 100% of its electrical demand and provide 85% of the site's heat demand from renewables.</p>		
Sectors	Non-domestic		
Funding Sources	Low Carbon Infrastructure Programme		
Budget £	£5.8 million (£2.9m from LCITP)		
Partners	Dundee City Council		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Site		
Technologies demonstrated	Heat pumps, solar PV, low energy buildings, solar thermal, heat network		
Economic models demonstrated	Private wire microgrid		
Other concepts demonstrated			
Industry engagement			
Consumer engagement			
Project Reports (incl. links)			
Datasets (incl. links)			
Website/social media			
Information sources	As above		