Project ID	DIP015				
Long Title	Cranbrook Solar Thermal District Heating				
Short Title	Cranbrook				
Keywords	Community; Electricity; Heat; Solar PV; Solar Thermal; Hybrid RE Systems; Heat Pumps; District Heating; Microgrid; Alternative Suppliers & Tariffs;				
Location (Town, Region, Country)	Cranbrook	Devon		England	
Latitude and Longitude	51.10N		0.53W	1	
OSGB code	TQ 775 365				
Status	In Test				
Start Date	2015				
End Date	2018				
Description	Star Renewable Energy will design and build an innovative large-scale heat pump system that will work with a solar energy installation to harvest solar energy to supply E.ON's community energy centre in Cranbrook, to the east of Exeter, with renewable heating and hot water.				
	The low carbon-heating venture is the first of its kind in the UK to merge large-scale heat pumps and solar thermal panels with contributions from solar photovoltaic and dedicated heat storage provision in a large- scale district heating network.				
Sectors	The emissions-free, community-wide energy scheme secured fun from the Department of Energy and Climate Change (DECC) and i pioneered by energy company E.ON, the University of Exeter and technology provider SK Solar. The aim of the project venture is to improve the performance of heat networks, demonstrating how combined technologies can replace or work alongside the existin combined heat and power (CHP) district heating scheme to provi lower cost and significantly lower carbon heating and hot water. Multi-sector/Grid				
Funding Sources	DECC Heat Network SBRI				
Budget £	f1 million				
Partners	EON, Star Refrigeration				
Energy vectors	Heat				
Scale (lab/site/small /community/region/national)	Community				
Technologies demonstrated	Solar thermal heat pump, heat network				
Economic models demonstrated					
Other concepts demonstrated	Low carbon retrofit				
Industry engagement	Industry led				
Consumer engagement					

Project Reports (incl. links)	Research paper.	
	https://www.sciencedirect.com/science/article/pii/S1755008416301089	
Datasets (incl. links)		
Website/social media	http://www.star-ref.co.uk/news/star-renewable-energy-secures-order- to-supply-uk-first-renewable-heat-network.aspx	
Information sources	https://www.gov.uk/government/news/heat-network-innovation- competition	