

Project ID	DIP005		
Long Title	Active Classroom		
Short Title	ActClass		
Keywords	Single Site; Non-domestic; Electricity; Heat; Solar PV; Solar Thermal; Thermal Storage; Direct Electric Storage;		
Location (Town, Region, Country)	Swansea	West Glamorgan	Wales
Latitude and Longitude	51.36N	3.50W	
OSGB code	SS 730 920		
Status	Ongoing		
Start Date	2015		
End Date	2016		
Description	<p>The Active Classroom is powered by the sun and has been constructed using the latest generate, store and release technologies developed by SPECIFIC and partners. Built in just 14 weeks using a range of brand new technologies and construction methods, it will export energy to support Swansea University's grid at times of stress.</p> <p>The Active Classroom is a live demonstrator and will be monitored closely, enabling researchers to test and validate building performance in an education facility, and to see how users interact with the technology. Completed in October 2016 and located at the Swansea Bay University Campus, the building also functions as a classroom for materials science engineers so they can learn in a place that actively demonstrates the qualities of the materials that they are learning about.</p> <p>Led by SPECIFIC, the Active Classroom is our latest demonstrator of building as a power station where buildings generate more energy than they require.</p>		
Sectors	Non-Domestic		
Funding Sources	Undefined (part of SPECIFIC consortium funded by ESPRC, InnovateUK and ERDF)		
Budget £	Undefined		
Partners	Swansea University, Akzo Nobel, NSG Pilkington, Tata Steel, Cardiff University		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Site		
Technologies demonstrated	Smart controls, thermal storage, solar PV, battery storage, low energy buildings, solar thermal, building management system		
Economic models demonstrated			
Other concepts demonstrated			

Industry engagement	Industry partners
Consumer engagement	
Project Reports (incl. links)	http://www.specific.eu.com/assets/downloads/casestudy/Active_Classroom_Web_Case_Study.pdf Paper: https://repository.cardiffmet.ac.uk/handle/10369/9130
Datasets (incl. links)	
Website/social media	http://www.specific.eu.com/demonstrators#classroom
Information sources	As above