

Project ID	DIP081		
Long Title	Retrofitting Solutions for Services for the enhancement of Energy Efficiency in Public Edification		
Short Title	RESSEEPE		
Keywords	Small-scale; Urban; Non-domestic; Electricity; Heat; Solar PV; Thermal Storage; Smart Devices;		
Location (Town, Region, Country)	Coventry	West Midlands	England
Latitude and Longitude	52.41N	1.51W	
OSGB code	SP 337 788		
Status	Complete		
Start Date	2013		
End Date	2017		
Description	<p>RESEEPE will bring together design and decision making tools, innovative building fabric manufacturers and a strong demonstration programme to demonstrate the improved building performance through retrofitting.</p> <p>The core idea of the RESSEEPE project is to technically advance, adapt, demonstrate and assess a number of innovative retrofit technologies. Reductions in the area of 50% will be achieved in terms of energy consumption.</p> <p>A systemic process will be also implemented that will allow the selection of the best possible retrofitting mix, customised to the needs of the particular building.</p> <p>Several remarkable innovative technologies and materials will be integrated in the retrofitting process:</p> <ul style="list-style-type: none"> • Envelope Retrofitting: Ventilated Facades, Aerogel-based Super insulating mortar, Wooden Insulating Wall Panel and VIP Panel • Integration of RES: PV Energy, Thermal Collectors • Energy Storage Systems: Thermal storage and PCMs • Nanotechnologies and smart materials: EC/PV Windows • ICT: Strategies at building and district level • Intelligent Building Controls: HVAC systems <p>The RESSEEPE technologies will be validated in three different demo-sites:</p> <ul style="list-style-type: none"> • Coventry (UK) • Skellefteå (SE) • Barcelona (ES) 		
Sectors	Non-domestic		
Funding Sources	FP7-ENERGY		
Budget £	€2 million (UK element)		
Partners	IES, Exergy, Phase Change Material Products, Coventry University		

Energy vectors	Electricity, Heat
Scale (lab/site/ small/community/region/national)	Small
Technologies demonstrated	Thermal storage, solar PV, intelligent lighting, low energy buildings
Economic models demonstrated	
Other concepts demonstrated	Low carbon retrofit, energy efficiency retrofit
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	Closedown reports for individual work programmes available. Reports: http://www.resseepe-project.eu/project-documents.php Publications: http://www.resseepe-project.eu/publications.php
Datasets (incl. links)	
Website/social media	http://www.resseepe-project.eu/index.php
Information sources	https://cordis.europa.eu/project/rcn/109128_en.html