

Project ID	DIP056		
Long Title	Kingston Heights		
Short Title			
Keywords	Single Site; Town; Domestic; Non-domestic; Heat; Cooling; Heat Pumps; Waste Heat Recovery; District Heating;		
Location (Town, Region, Country)	Kingston	Surrey	England
Latitude and Longitude	51.41N	0.31W	
OSGB code	TQ 178 697		
Status	Complete		
Start Date	2012		
End Date	2015		
Description	<p>Kingston Heights is a £70million mixed use development in the Royal Borough of Kingston upon Thames in South West London for NHP Developments.</p> <p>The development consists of 136 residential units, which includes 80 private apartments and 56 affordable homes which will be managed by Affinity Sutton. The project also includes a 150 bedroom hotel with meeting, banqueting and conference facilities.</p> <p>The development includes a highly sustainable district heating system that will provide all the heating, cooling and hot water requirements. The innovative system incorporates a state-of-the-art open loop ground source heat pump system that will use the natural heat of water in the nearby Thames - a highly efficient use of a natural resource to deliver the scheme's renewable energy strategy. The hotel will also incorporate an innovative heat recovery system.</p>		
Sectors	Domestic, non-domestic		
Funding Sources	N/a		
Budget £			
Partners	NHP Developments, White Associates, United House, Affinity Sutton, Redroe London, Mitsubishi Electric, B&V Water Treatment, Industrial Purification Systems		
Energy vectors	Electricity, Heat		
Scale (lab/site/small /community/region/national)	Site		
Technologies demonstrated	Water-source heat pump, waste heat recovery		
Economic models demonstrated			
Other concepts demonstrated			
Industry engagement			
Consumer engagement			

Project Reports (incl. links)	https://heating.mitsubishielectric.co.uk/KnowledgeBase/Public/kingston_case_study.pdf
Datasets (incl. links)	
Website/social media	https://www.cibse.org/knowledge/knowledge-items/detail?id=a0q20000008JgZH
Information sources	As above