

Project ID	DIP117		
Long Title	ZEDpod		
Short Title			
Keywords	Site; Domestic; Electricity; Heat; Solar PV; Heat Pumps; Waste Heat Recovery; Direct Electric Storage;		
Location (Town, Region, Country)	Watford	Hertfordshire	England
Latitude and Longitude	51.70N	0.37W	
OSGB code	TL 125 013		
Status	Complete		
Start Date	2015		
End Date	2016		
Description	<p>ZEDpods provide first homes for young people and key workers – erected above existing parking spaces close to amenities and jobs. They lease air rights and not the carpark, which still provides income to the car park owner with minimal loss of parking spaces.</p> <p>The Building Control compliant Pods have superinsulation, vapour permeable draught proofed construction, heat recovery ventilation, refrigerant panel water and space heating, aluminium clad triple glazing, hot dip galvanised structural frame with timber infill panels and external insulation. The external envelope is constructed from fireproof, durable and robust materials. The ZEDpods are net zero carbon, and use integrated roof mounted solar panels to charge a LIPO4 battery store, meaning they may only need to connect to the grid for c.30 % of the year. The pods are constructed off site in the UK, and can be erected in a matter of days with a forklift. They have a patented raft foundation that exerts no more pressure on existing tarmac than a conventional vehicle.</p>		
Sectors	Domestic		
Funding Sources	Undefined		
Budget £	Undefined		
Partners	BRE Trust, ZEDFactory		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Site		
Technologies demonstrated	Waste heat recovery, heat pumps, solar PV, battery storage, LED lighting, low energy buildings		
Economic models demonstrated			
Other concepts demonstrated			
Industry engagement			

Consumer engagement	
Project Reports (incl. links)	
Datasets (incl. links)	
Website/social media	https://bregroup.com/ipark/parks/england/buildings/zedpod/ https://www.zedfactory.com/zed-pod
Information sources	As above