

Portsmouth University. ThermiPro Installation



In its continuing drive to cut carbon emissions Portsmouth University has recently installed two 'ThermiPro Hybrid Heat Stations' in one of its campus buildings. The 'Portland' building consists of 5 separate plant rooms housed in 5 separate towers, with each plant room feeding a dedicated area of the building with heating and hot water.

Tower 1 has a 'ThermiPro' coupled with a new 'ProCon 75' condensing boiler, which have replaced two ageing cast iron boilers, large calorifier and a fan dilution system.

Tower 2 has a 'ThermiPro' coupled with a new 'ProCon 150' condensing boiler, which have replaced two larger ageing cast iron boilers, large calorifier and a fan dilution system.

The ThermiPro comprises of a solar package, air source heat pump and integral condensing boiler, with the ability for a fourth heat source, all coupled to an integral 500 litre thermal store, the ThermiPro is performing extremely well and has cut emissions and fuel usage.

Mr. Alan Breeze, the universities principle engineer was keen to utilise the full potential of the unit including its advanced intelligent controls which potentially have uses throughout the campus.

Energy savings are predicted to be no less than 50% per annum, with the intelligent controls utilising the most abundant free energy source whenever possible.

Sensors have been placed on the outgoing and incoming pipework to allow the graduate students and the university staff to monitor the performance and to undertake comparative studies between old and new technologies.

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