

Wellington Civic and Leisure Centre (PH2)



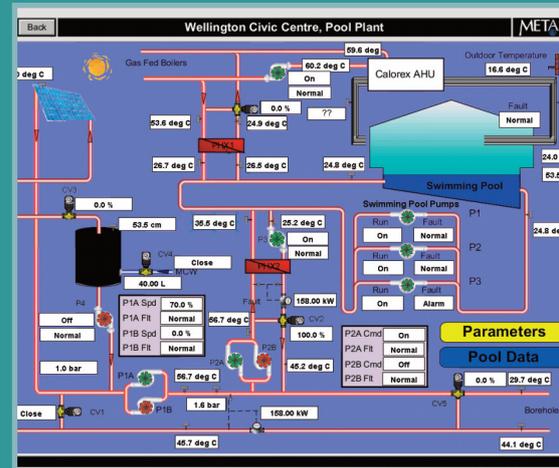
Key facts

Location: Wellington Civic and Leisure Centre

Grant recipient: Telford and Wrekin Council

Purpose: A functional multi purpose civic building with a leisure centre, café area, library, offices, a registry office, swimming pool and leisure facilities.

Solar Heating Modification: The existing Solar Collector System has failed and it is uneconomical to repair. This project re-utilises certain parts of the system, such as the solar collector on the roof and use the heat from it to heat the leisure centre pool.



Energy efficiency measure:

Solar thermal Heating

The existing Solar Collector was re-used to supply heat into the pool plantroom. The heated water is circulated through a new plate heat exchanger which heats the pool water. To avoid overheating due to excessive solar gain - the system will also use the existing underground borehole system to keep water at an acceptable temperature.

Predicted energy saving: 157,867 kWh

Anticipated cost saving = £5,525/yr

CO2 savings/yr: 29.1 tCO2/yr

Financials

System Cost: £94,931

Funding: 60% ERDF Sustainable Energy in Public Buildings
40% Telford & Wrekin Council Capital funding

Predicted payback to Council: 6.9 years

For further information

The Sustainable Energy in Public Buildings (SEPuBu) is a ERDF funded Grant scheme for innovative low carbon measures in public buildings across the Marches.

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