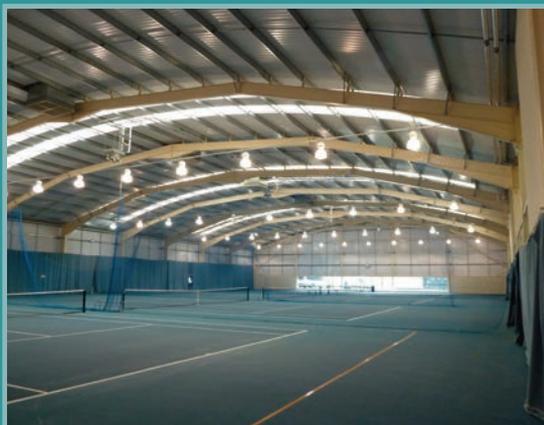


Oakengates Tennis Centre (Phase 1 & 2)



Key facts

Location: Oakengates Tennis Centre

Grant recipient: Telford and Wrekin Council

Purpose: The building was opened in 2011 and is a purpose built centre for the playing and coaching of tennis with both indoor and outdoor (floodlit) courts and a 2 storey section housing offices, meeting rooms, toilets.

Main Lighting: Hi-bay metal halide lighting was fitted over the courts, in the entrance lobby and waiting area.

Solar PV: Solar panel electricity systems, also known as photovoltaics (PV), convert the sun's energy to generate electricity



Energy efficiency measure:

1) LED Lighting: Light emitting diodes, also known as LED technologies, offer better working conditions through optimised luminaries, flexible lighting control and improved use of daylight.

Decrease of annual primary energy consumption: 39,425 kWh

Anticipated cost saving = £5,125/yr

CO2 savings/yr: 13.9 t CO₂e

2) Solar PV: 78.3 kWp roof mounted system; 270 Huawei 280w solar poly-crystalline panels

Predicted energy saving: 63,657 kWh

Anticipated cost saving = £8,561/yr (based on 20 yr average)

CO2 savings/yr: 22.4 tCO₂e

Financials

System Cost: £68,938

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

Predicted payback to Council: 2 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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