

# University of the West of England

Bristol, South West UK

**Technology: Solar PV**

**System size: 82 kWp**

**Annual Output: 70,000 kWh**

**Annual CO2 savings: 39,000 kg**

Following the financial success of their first system, UWE returned to Solarsense to design and install a further two solar PV arrays for their Frenchay campus.

A new 50kWp solar PV array was installed on the flat roof of their Centre for Sports and a 32kWp system fitted on the nearby Planning and Architecture building.

The client's primary objectives were to lower the universities' carbon footprint, greatly reduce the site's energy bills and improve their ranking in the 'green league' of UK universities.

The smart energy system generates 70,000 kW hours of free, clean electricity, will recover the capital investment in less than eight years and will provide income to invest in future energy-saving projects.

The installation of a display monitor in the university cafe also allows staff, visitors and students the opportunity to view a live reading of the electricity being generated; perfect synergy for a building that houses students from a range of design and architecture programmes.



“ The solar PV system both reduces our energy bills and enhances the learning environment here at the university.

Fabia Jeddere-Fisher, Senior lecturer Energy Engineering and Building Services, UWE

“ Installing solar PV panels makes sense three times over for UWE by helping it achieve its goal of halving its carbon emissions, saving on energy costs and producing a good return on its investment.”

Richard Harris, Renewable Energy Consultant

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