



solarcentury

The University of Manchester



Photovoltaic cells from Solarcentury are saving around 18 tonnes of CO₂ a year at Manchester University. Nearly 200 Sanyo panels have been installed on the roof of the humanities building in Bridgeford Street. The Arthur Lewis Building is named after the Nobel Prize winning economist who was formerly a professor at the University and is the new home for the University's schools of Social Science and Environment and Development.



The installation is the second largest solar installation in Manchester, with a peak output of 41kWp and an annual output of 31,000kWh. The largest solar installation in Manchester is the CIS tower, where nearly 4,000 m² of solar cladding from Solarcentury produce 135,000 kWh of electricity a year.

The 210W Sanyo cells used on the Arthur Lewis Building have a hybrid structure that allows them to produce more electricity from a smaller area than conventional panels. The small size of the panels helps to save space and achieve maximum power within a limited amount of roof space.

The use of sustainable technologies such as photovoltaic solar power is a key part of the University of Manchester's Estates Master Plan, and the units supplied by Solarcentury provide a highly efficient and easy to install source of clean energy. The £120,000 project was funded under the DTI's Major Photovoltaic Demonstration Programme, the predecessor of the Low Carbon Buildings Programme.

The DTI's successor, The Department for Business, Enterprise and Regulatory Reform, has now launched phase two of the LCBP programme. This provides public sector bodies with grants of up to £1 million to cover 50% of the cost of a photovoltaic installation. Solarcentury has been appointed by the Department to supply and install the solar panels.

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Date commissioned	2007.02.02
Technology	Solar PV
Installation Type	Flat roof
System size (kWp)	40.6
Forecast electricity generation / year (kWh)	31000
Building integrated	No

CO2 saving / year (kg)
Type of project

17608
Public sector