South Gloucestershire and Stroud College

Filton, Bristol

Technology: Solar PV Brise Soleil
System size: 11.07kWp
Annual Output: 7,550kWh
Annual CO2 savings: 2,091kg

The three-storey Brunel Centre building at South Gloucestershire and Stroud College puts sustainability at its heart, with a number of key features prominent in its design. The building is naturally ventilated throughout, uses air source heat pumps, and a solar photovoltaic (PV) system integrated into the building's brise soleil – just one of the examples of putting renewables at the forefront of design for students to see every day. The building also features a live monitoring panel in the foyer where students can see exactly how much energy, water and other services the building is using.

The project required a large amount of coordination between different companies involved in the development. Solarsense worked closely with the lead architect Hewitt Studios, main contractor Willmott Dixon and electrical contractor CMB Engineering to provide a turn-key solar brise soleil system in order to generate clean energy on-site and reduce the sites' carbon footprint.

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