

Custom Roof Integrated Solar—Multi faceted roof



Custom Integrated Solar

A unique integrated roof system was designed by GB-Sol to create an eye catching solar roof for a curved garage built by Millgate (Winchester) Ltd (<http://www.millgatewinchester.co.uk/>). The curve included 7 elevations of varying orientations from South West to South East, perfect for solar.

Design

The system was designed to give as much power as possible so very few dummy panels were used. All triangular panels that were large enough included PV cells to maximise the system's output. Custom flashings were designed to meet the brick up-stands at the edges of the roof as well as to bridge the valleys in between the arrays.

Before installation, a dry run assembly was completed in our factory which involved laying out the system in its entirety to ensure a perfect fit. This process was especially important in this case due to the bespoke triangular frame. A high level of precision was involved in both design and manufacturing.

Counter battens on the back of the roof brought the slates up to a similar height as the solar for perfect uniformity.



Installation



MCS approved installer Spirit Solar (<http://www.spiritsolar.co.uk>) are well known for their quality installations. This was confirmed by the efficient, careful and thorough way they worked on this project. Experienced at installing bespoke GB-Sol systems, they were perfectly suited to such a challenging project.

Providing a UK designed and produced solution maximised the system's CO₂ efficiency.

Case Study Curved Garage

GB-Sol – Specialists in bespoke PV panels, mounting systems and PV accessories