

## Case Study

# 9.72kWp New Build Church

Slough, Berkshire.

### Objective

This new church development occupies a central position in the locality, not only as a place of worship but also by local community groups for numerous activities and events.

The Architect and the parish were keen that renewable energy should play an important part in the building's design. PV was selected because it is clearly visible both as an example to the local community and to demonstrate the Church's commitment to sustainability.

### Construction type

22° pitch natural slate roof

### Solution

South Facing worked closely with the main contractor to overcome design & structural issues. Mono silicon modules were selected to blend in visually with the slate roof - the module frames were also painted to match.

A large visual display has been installed in the church foyer showing the output of the system. This helps to educate parishioners and users by showing the reduction in the buildings carbon footprint.

### System details

#### Modules-

54x Sharp 180Watt mono crystalline modules

#### Inverters - 2x Fronius IG40

Total System Output **9.72kWp**

### Result

The system reduces the building's annual carbon emissions by over 5 tonnes.



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