



Courtyard Surgery, Yate

System Size: 3.52kWp

Commissioned: May 2011

Client: Dr Appleton

Modules: Mobasolar 220Wp x 16

Inverters: SMA Sunny Boy 3000HF

Roof type: Aluminium cladding standing seam roof

Module support system: Module support rails bolted with S5 standing seam clamps. Modules fixed with Schletter clamps.

Estimated annual output: 3,020 kWh

Annual CO2 emissions savings: 1.8 tonnes



Notable features: The practice had already had air source heat pumps installed at the premises 3 years previously; now the electricity generated by the solar PV will help to power the heat pumps for a double renewable combination.

Funding: The solar installation was funded jointly by the eight GP partners at the practice, who decided in light of the good rate of return to invest their own capital into the project.

Client's quote: *The installation went very smoothly and caused little disruption to the running of our surgery. Over the 2 months since installation we have generated over 1000kWhrs of electricity- better than we were expecting, despite the rather poor weather we have had since then.*





Oldfield Park Surgery, Bath

System Size: 23.04kWp

Commissioned: January 2011

Client: Oldfield Surgery

Modules: Romag SMT 6 (48) 180Wp x 128

Inverters: Fronius IG+120 3 Phase & Fronius IG+150 3 phase

Roof type: Tiles on light trussed steel frame.

Module support system: Unistrut module support rails coach screwed to rafters via slate-specific fixings. Modules fixed to rails with specialist aluminium clamps

Estimated annual output: 19,584kWh

Specific annual yield: 700.1 kWh/kWp

Annual CO2 emissions savings: 11.9 tonnes

Notable features: The first installation of its kind in the region and the largest solar PV roof array on any medical centre in the country at time of installation. RICO 300 visual display mounted in reception area.

Funding: The £90,000 solar installation was privately funded through Lombard Finance. Dr Patrick Eavis said of the cost, "The money spent to install it is a significant investment as we will save so much money on our electricity bill."

Client's quote: *It's good to do something for the environment, and if we all play our part it will make a huge difference. I hope it will encourage others to consider it.*



Planning:

As is fairly common in the Bath area, this project required planning permission and conservation of listed heritage permission to be granted by the local authority before the plans could go ahead.