

EDGE RENEWABLES

Poplars Farm, Shropshire

Situation...

Local farmer, Simon Brown based in Shipton, Shropshire farms a herd of over 600 pigs. He used to spend around £60,000 a year on electricity alone. The high electricity bills lead Mr Brown to look at the possible options with renewable energy and how this could benefit his farm. The array size that was chosen for Mr Brown was based on the annual power usage of the farm; the system can then be fitted to suit the farmer's needs and requirements.

Solution...

Edge Renewables installed a system of 100kWh on a 3 phase supply, the Solar PV array was fitted on to a fibre cement roof. The whole system consisted of:

- 432 ND Sharp 230w Panels
- 2 Fronius CL 48KW Inverters



The system will have a payback period of 6.5 years as by the end of this time period the system will have generated enough electricity to have covered all costs based on the Feed in Tariff rates at the time of the installation.

By using a pair of bespoke inverters and separate heat meters Mr Brown was able to feed back any surplus power generated by the system in to the national grid. Mr Brown will also be able to receive payments for the extra electricity exported.

