



SOL₂O
GREEN BUILDING SOLUTIONS

Solar Photovoltaic Tarrill Boarding Kennels

Client Tarrill Boarding Kennels

Contract Value £13,000

The Brief

SOL₂O were tasked to design and install a renewable energy solution that would help reduce their energy bills and lower the properties carbon footprint.

The Solution

SOL₂O designed and installed a 26m², 20-panel solar photovoltaic array to the roof of the boarding kennels.

PV systems are ideal technology to be retrofitted onto an existing building and this meant that the installation on the kennels could be completed in less than a week.

Day 1: The scaffolding was erected to allow safe access to the building in order to mount the panels.

Day 2: Installation of the roof fixings, brackets and rails

Day 3: Installation of the inverter, cabling, connection to the OFGEM meter and commissioning

Day 4: The scaffolding was dismantled

All the electrical work carried out has a 6-year guarantee under our NICEIC accreditation. Additional to this the manufacturers offer a performance warranty that the panels will output to 90% of their capacity for 10 years, and then to 80% after 25 years.

The Result

Tarrill Kennels are now utilising a 26m² solar photovoltaic installation – saving on both carbon and energy costs alongside increasing the value of the businesses property.

The entire system, inclusive of parts and labour is expected to generate up to 3000kWh of energy per annum and pay for itself within approximately 8 years utilising the current Feed in Tariff (FIT).

The kennels are expected to save around £300 per year on their electricity bill.