



## Case Study – Rotherham, Doncaster and South Humberside (RDASH) Foundation Trust

**Outline:** System Size: 30kWp Panels: 120x FuturaSun FU250P Inverters: Afore 10kW & Afore 20kW  
G59/3 Relay: Provided by Control and Power Solutions (CPS)

Flixborough Eco Technologies won a contract to supply and install a 30kWp solar PV system on St John's Hospice in Doncaster. The installation was situated over three elevations and required extensive cable to link the arrays together. The panels were mounted on a concrete tile roof using non-invasive MCS certified roof anchors. The inverter station was positioned in a switch cupboard which was selected due to its ability to hide the associated switch gear. This position was not an ideal to access from the cable run perspective however we chose to install here as it was easily accessible by the client, electricians and hidden.



### Project planning:

As with every scheme we do we pride our project planning and scheme management. We had a Pre-start meeting with the client to keep them fully informed of the plan for the installation. Utilising Microsoft Project we were able to structure the project specifics, and allocated tasks and provide an outline timescale for the client. This in turn organised the project and limited exposure to risk and allow us to build in contingency so we would meet client expectations. We utilised our own in-house task sheets and customer database to record job processes.



### Customer Engagement:

- Pre-start meeting: Upon receiving signed contract.
- Progress meetings: Weekly Teleconferences.
- Installation Phase: Daily phone calls to enable us to work without hindering the client's normal operational procedures.
- Post installation: Handover to client on commissioning day.
- Final Post installation meeting: 1 week after commissioning with full O&M manual presented to client
- Performance review: 2 months after installation.



### Implementation:

We had a daily liaison with the client when we registered our team on the site. All employees and subcontractor were provided with branded PPE to identify all of our personnel to site staff.

We planned to supply and install this scheme within 5 working days with 1 day's contingency due to forecast gale force winds. Our roof works were completed within 4 working days. We held daily update phone calls with the client during installation this enabling the client to accommodate us when considering operational and noise level requirements. We delivered the scheme using our own installation team.

### Risk management and risk mitigation:

We worked into the weekend to minimise the impact on client operations. We liaised with the client prior to the scheme commencing on site as there were Final building inspections and construction cleaning contractors scheduled. As a matter health and safety we mount a wind speed meter on the roof of the installation to instruct us when it is too windy to operate and allow our installation teams to operate safely. Reason for installation – to increase the efficiency of the building and reduce the overheads and running costs of the building.

### Management of subcontractors:

We as the main contractor have performed extensive due diligence on both our suppliers, subcontractors and installation partners, to enable us guarantee quality, reliability and consistency. Due to having vulnerable persons on site we ensure all partners and subcontractors have the relevant DBS screening certification. We also have written agreements between ourselves and our subcontractors and partners who agree to adhere to our standards, expectations and health and safety procedures.

Each site has a dedicated site supervisor who is the client's onsite point of contact and person responsible for all sub-contractors.