

Case Study

ECS 
electrical compliance
and safety

A **PTSG** company



Stonewater

Solar PV annual inspection



PROJECT OVERVIEW

Name of customer organisation who signed the contract: **Stonewater**

Name of supplier who signed the contract: **Electrical Compliance & Safety Ltd**

Point of contact in the customer's organisation: **Martin Simmonds**

Position in the customer's organisation: **Head of M&E**

Email address: **Martin.simmonds@stonewater.org**

Description of contract: **Solar PV annual inspection**

Contract start date: **1/4/24**

Contract completion date: **1/4/27**

Estimated contract value: **£157k p/a**

Qualifications for engineers – EAL Level 3 PV award in small systems



SPECIFICATION OF WORKS

Solar panel inverters should be inspected and maintained at least once a year by a qualified professional. This annual check-up is to ensure the inverter is functioning correctly, identify potential issues early and prevent costly repairs. A more frequent inspection (e.g. bi-annually) may be necessary in some areas of the WRC which will be left to the discretion of the inspector. This is based on potential high-pollution levels and weather conditions on the roof.

- Manufacturer's specific recommendations for our inverter models should always be referred to and referenced in documentation, as they may have unique guidelines for maintenance and inspection.
- All inspections and maintenance performed by qualified professionals. We request members of our in-house engineering team oversee as much of the inspections as possible so they can understand what to look for on routine inspections of these plant areas.
- A full visual inspection of every solar panel will be needed to highlight damaged or faulty panels.
- As well as inspections, we expect full electrical certifications to be issued with each yearly inspection.
- We would also need a budget cost to come in the same day the solar panels are being cleaned twice a year to isolate them, then process and re-energise once the clean is complete. NSS can deliver servicing (note – ECS makes the report, including cleaning requirements, and NSS provides a quote to carry out servicing).



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