



Operations & Maintenance

for solar PV and BESS

February 2026





At Ethical Power, we've been providing leading engineering and technical services for over 15 years.

Our wealth of knowledge covers **engineering, performance, data analysis, technology** and **security**.

With all our expertise in house we have been able to support both small and large scale assets within the wider renewable energy industry.



Operations & Maintenance

Our in-house network of highly skilled engineers are based in key locations, to ensure fast response times and to carry out preventative, predictive and corrective maintenance.

Our O&M team specialise in enhancing performance of renewable energy generation and storage assets and can also offer life extension services through bespoke repowering and rejuvenation packages.

Performance Monitoring

Our Performance Monitoring service provides coverage of all site SCADA systems, for both solar PV and BESS.

Our 24/7 Control Room team of experts react and investigate all faults that present, allowing us to remotely intervene or escalate accordingly - no matter when the problem occurs.





Operations & Maintenance

Get the benefit of a single point of contact for all your maintenance, monitoring and security needs: from one team, managing all aspects of your assets, under the same roof.

Equipment maintained includes:

- Inverters
- Transformers
- LV/HV Cabling
- G99/G100 Relays
- Switchgears
- Modules
- Fencing and Access
- Data Loggers
- Meters

...and more

Bespoke service packages

Our tailored packages give you cost-effective coverage that suits your needs.

Optional additional services include site health checks, repowering and comprehensive technical and commercial asset management.

Corrective Maintenance

Once an unknown or unscheduled outage has been identified, an engineer will be sent to site to investigate and create a plan to fix the fault. For BESS assets, remote intervention capability enables us to rapidly react to site events, often reactivating assets in minutes.

Planned Preventative Maintenance

Regular maintenance visits following manufacturer guidelines, alongside the inspection and testing of on-site components. We can also schedule regular land management, health and safety inspections, system checks, regular HV maintenance and more.

Proactive Maintenance

Monitoring assets performance and completing thermography inspections allows us to also identify any underperforming components and proactively preventing larger production issues down the line.

Our guarantee

Combining the most advanced technology in our state-of-the-art Control Room with the wealth of experience of our team, we deliver the highest level of service.

Rest assured that with us your assets are monitored and maintained correctly.



High Voltage Services

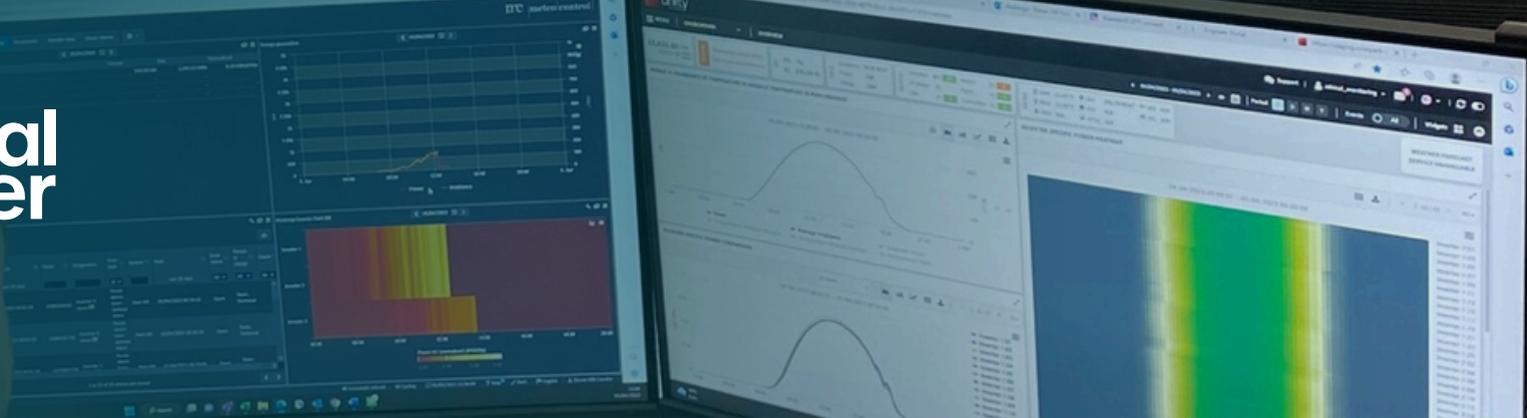
All our engineers and technicians are HV-trained and authorised to complete an extensive scope of HV services up to 132kV.

Across our team and our network of trusted partners, we can deliver the full scope of services and manage a range of equipment, including:

- Senior Authorised Persons (SAP) works
- 24/7 Control Room monitoring and 365 days a year on-site fault response
- Switchgear maintenance and replacement, including intrusive LV and HV works
- Transformer maintenance and replacement
- Substation inspection and maintenance
- Oil sampling and analysis
- HV operational switching
- LVAC systems inspection and maintenance
- Testing and commissioning
- Primary & secondary injection testing
- Partial Discharge testing
- IR (Insulation Resistance) testing

All works always completed according to OEM requirements and following highest standards of health and safety for all personnel.





Performance Monitoring

Data-driven experience across a multitude of industry applications combined with an unrivalled level of coverage - here to optimise your asset's performance.



Fault diagnosis and rectification - a cost-effective solution for comprehensive 24/7 coverage for your assets, 365 days a year.



Accurate curtailment monitoring and response, providing you with actionable financial impact analysis.



Vast knowledge of a variety of monitoring platforms and solutions with an efficient alarm response system in place.



Access to a breadth of knowledge throughout the Ethical Power Group, with 98% of our services in-house - to fault find, investigate, and optimise your generation.



All operatives with experience of monitoring across various industries, fully trained to spot faults, identify trends and respond correctly every time.



Macro & micro-level performance investigations & reporting with easy to understand insights to inform your decision-making.



CCTV Monitoring

24/7 SSAIB-certified Control Room and experienced team provide reassurance that your data and site are cared for and kept safe.



State of the art technology including a video wall, dedicated secure server and multiple specialist monitoring stations amongst a host of other solutions.



All operatives fully Security Industry Authority trained and with verified advanced background screening checks.

Services included

- Proactive surveillance
- Sign-in sign-out process
- Hard-wired, battery and hybrid CCTV options
- Out-of-hours coverage
- Remote intervention (where applicable)
- Key-holding alarm response service
- Wireless PA speaker units operation



Verify at ssaib.org



Cert No: 24092





How we work with you

Portfolio Manager is your dedicated contact person, coordinating all works and communications, and ensuring your assets are being managed to the highest standard.

Regular reporting with easy to understand breakdown of information, list of all works carried out on your sites, as well as quotations and invoices for any additional works if necessary.

Monthly Performance Meeting to discuss site performance, any trends, issues and outages. More frequent meetings can be arranged if requested.

Monthly Performance Reports give a detailed breakdown of PR and Availability of the site day by day as well as any H&S concerns etc. in that reporting period



Our experiece



Larport Solar Farm was the **first utility-scale solar project developed by Conrad Energy**. It was built by Ethical Power as the principal EPC contractor. Since energisation, Ethical Power continues to look after the site with complete O&M services.



“The team has been excellent at communicating goings on at the site, are quick to respond and always happy to answer questions. They are very thorough in their work and always have, at hand, in-depth knowledge about what is going on at the site, demonstrating care for the work. It's been great working with them”



Looking after **more than 200MWh BESS** across a number of projects in the UK, providing complete O&M services and ensuring smooth operations thanks to our 24/7 Control Room with remote intervention capabilities.



“A recent visit to site by our Technical Advisors noted that the site was in good condition and well looked after. Our advisors are very thorough, so to get that feedback gives us comfort that Ethical are really taking good care of our site.”



Our Performance Monitoring team worked in partnership with Lodestone Energy to support their **first utility scale solar PV projects in New Zealand**. Providing remote oversight across the portfolio allowed for early fault notification and therefore a significant reduction in downtime.



“Any communication from the team is very professional and courteous. They answer all queries in a quick, clear and concise way, and provides us with the details we need to ensure we are informed.”

Talk to us

Sam Wookey, Head of Operations & Maintenance

E sam.wookey@ethical-power.com
T 01726 218 618

Henry de Viell, Commercial Manager

E henry.deviell@ethical-power.com
T 01726 218 618

Kieran Hill-Cousins, Monitoring and Performance Manager

E kieran.hill-cousins@ethical-power.com
T 01726 218 618

Head Office

E enquiries@ethical-power.com
T 01726 218 618
W ethical-power.com
A Unit 9, Dunchideock Barton
Dunchideock
Exeter
EX2 9UA
United Kingdom

