



Asset Data Analyst

ABOUT THE ROLE

GreenPower is seeking to appoint an Asset Data Analyst who will have overall responsibility to collect, manage and analyse data from operational renewable generation and/or other GreenPower energy assets including wind, hydro, EV, hydrogen and solar.

This is a pivotal, collaborative role designed for an experienced and skilled hands-on technical analyst or engineer. For our new development areas such as EV and hydrogen production in particular, you will have the opportunity to establish new data infrastructure, define high-integrity data processes, and lead the delivery of automated reporting for project teams, senior management, and investors.

The post offers the successful applicant the opportunity to lead operational asset data handling and analysis across key areas of the business. Applicants should have a strong technical and scientific background and, preferably, relevant experience in a similar role.

ROLES & RESPONSIBILITIES

Asset Data Management & Analysis

- Responsibility for the handling and analysis of data across all operational assets (including existing wind & hydro generators and developing further in relation to other technologies such as solar farms & commercial roof-top solar, EV charge points and green hydrogen facilities).
- Establish & maintain automated data acquisition processes, collection, management, handling and analysis of data maintaining the cleanliness, security, and integrity of data acquired from the operational assets.
- Take full responsibility for data analysis to adopt and/or establish standardised process maps for reporting cycles and performance investigations, ensuring all analytical methodologies are auditable and repeatable.
- Regularly monitor asset performance, including output, downtime, faults, curtailment, constraints and causes of lost production / availability, establishing & maintaining reporting formats and structures to satisfy the requirements of the Asset Manager and/or the project/business management.
- Validate O&M contractor performance reports against contractual KPIs and independently verify asset performance.
- Carry out ad-hoc analysis of asset performance.
- Develop analytical models and standardise / automate processes using programming languages, including Python, for data manipulation and automated workflows.

Reporting, Documentation & Process

- Maintain a high standard of technical report writing and/or presentation which is comprehensive, accurate and concise.
- Develop reporting formats, automated where possible and including regular dashboard reports for asset managers and for reporting to management.
- Design, deploy, and maintain physical office dashboards to display real-time asset health, KPIs, and generation metrics for the team (including automated API links, data pipelines, or widgets to feed live operational data to the physical office dashboards.)
- To serve as the foundation for formal quality management processes:
 - maintain clear, accurate & concise documentation that is up-to-date and comprehensively describes data handling and reporting processes (including tools such as Python scripts); and
 - document all data pipelines, cleaning protocols, and data storage / archiving workflows.
- Map and document all data and operational processes to directly feed into the establishment of our formal company quality management system.

Operational Project Maintenance

- Support management and troubleshooting of operational communications infrastructure by:
 - managing site network infrastructure, including firewalls, VPN tunnels, and industrial routers, to ensure secure and stable data transmission;
 - proactively monitoring and troubleshooting data feeds, including SCADA telemetry, CCTV networks, and fire/intruder alarms; and
 - managing relations with 3rd party data and/or network service providers.
- When called upon to do so, apply professional project management skills to assist with the delivery of project maintenance items and/or improvements in relation to the operation of the asset including budgeting, planning and coordination of onsite maintenance activities with external contractors (for example software and hardware upgrades for site communication / network equipment).
- Maintain good Health & Safety awareness and familiarity with site access processes (including the Wind Turbine Safety Rules), the requirement for RAMS, Safe System of Work, Emergency Response etc. and ensure that external contractors follow appropriate safety procedures.

This job description is not an exhaustive list of tasks, and the post holder may be asked to undertake any other reasonable duties in connection with their post.

ABOUT THE CANDIDATE

This position requires a candidate with a strong technical and analytical skill set with a good understanding of statistical principles, trend analysis and anomaly detection. The candidate should have familiarity with and a desire to keep up to date with state-of-the-art data management and analysis techniques.

The candidate should be a team player, but also self-motivated and able to take responsibility for and work on substantive tasks under their own direction. The candidate will be able to demonstrate a systematic and disciplined approach to work with a sharp attention to detail. Excellent communication skills and an ability to prepare well written, concise and accurate documents will be required.

Candidates should be qualified in a technical or scientific discipline, comfortable working with large datasets from multiple operational systems and have a positive and proactive approach to their work.

A strong working knowledge of Microsoft Office, particularly Excel, is essential as is experience in programming in Python and SQL.

In all areas of work, the post holder will be required to manage their time and budgets appropriately, work effectively with colleagues and represent GreenPower in a professional manner at all times.

Essential Criteria

- Degree or higher national diploma (HND) in Engineering, Computer Science, Data Science, or a closely related technical field.
- Proven experience cleaning and processing time-series data using tools including Excel, SQL and Python.
- Experience in obtaining operational data from SCADA systems or industrial internet platforms.
- Strong engineering mindset with the ability to interpret SCADA data to understand technical faults in physical equipment.
- Ability to translate complex data findings into simple, actionable insights.
- Familiarity with gathering data through Application Programming Interfaces (APIs).
- Full, current driving licence valid for driving in the UK.

Desirable Criteria

- Health and Safety awareness in relation to operational sites.
- Experience of contractual analysis of plant availability (e.g., interpreting availability or power curve warranties of generating plant).
- Demonstrated experience building operational dashboards in Power BI.
- Practical understanding of industrial communications and networking (e.g., VPNs, routers, firewalls, Modbus, OPC UA).
- Competence to formulate complex queries using advanced SQL and/or familiarity with cloud-based data storage systems (e.g., AWS, Azure) or managing server architectures.
- Ability to establish and maintain automated API links, data pipelines, or widgets to feed live operational reporting data directly to the company's website.

Candidates should also have the following personal attributes and general aptitude

- Strong work planning & scheduling, attention to detail and track record of delivering to deadlines.
- Excellent written and verbal communication.
- Drive and enthusiasm and a positive attitude to problem solving.

TERMS AND CONDITIONS

Salary:	Salary dependent on experience.
Contracted hours:	37.5 hours per week.
Working hours:	Monday to Friday, 9:00am to 5:30pm. From time to time, you may be required to work outwith and/or in excess of your normal working hours. Remuneration for such additional hours is already contained within the salary.
Location of work:	This post will be based at the e-Centre, Cooperage Way, Alloa, FK10 3LP. GreenPower operates a hybrid working policy. Travel, principally between the Alloa office base and various sites in the UK is required. This may occasionally involve overnight stays away from home.
Annual leave:	This post carries a holiday entitlement of 25 days personal leave, plus 12 statutory holidays / office closure days per annum.
Sick pay:	Occupational sick pay available.
Pension:	GreenPower operates an auto-enrolment pension scheme with the Employer contribution of 3% of gross salary. This is subject to pension auto-enrolment rules and therefore a small contribution may also be required from employees depending on your applicable salary. Salary sacrifice available.
Non-contractual benefits:	Private health insurance (with the option to add partner / family members on at a cost). Private health insurance is a benefit in kind and therefore subject to tax. Electric car salary sacrifice scheme. Team bonus scheme.
Employer:	The post-holder will be employed by GreenPower Developments Ltd.
Offer of employment:	An offer of appointment will be made subject to two satisfactory references, eligibility to work in the UK, and a Level 1 disclosure check.