



About Us:

Serengeti Energy has an ambitious mandate to create positive impact from its activities in markets across Sub-Saharan Africa. The company invests in and co-develops small and medium-sized renewable energy projects of up to 50 MW in Sub-Saharan Africa at various stages of the project life cycle (development, construction, and operations). Serengeti Energy is committed to long-term investments, deploying patient capital in the form of equity and quasi-equity financing.

Founded in 2013, Serengeti Energy (formerly responsAbility Renewable Energy Holding) received initial backing from Swiss impact asset manager responsAbility Investments AG, alongside investments from partners KfW, Norfund and NDF. In 2021 Serengeti Energy acquired and thereafter merged with the REH Group, based in Cape Town. On 1 October 2021, Serengeti Energy became independent of responsAbility Investments AG and is now well positioned to continue its growth path as Serengeti Energy.

Serengeti Energy is building a strong reputation for quality clean energy project development, construction, creative deal making, renewable industry thought leadership, efficient operations, and trusted partnerships with customers, communities, and industry counterparties.

More information on Serengeti Energy can be found at <https://www.serengetienergy.com>

Maintenance technician

Serengeti Energy is seeking to hire a Dispatch Technician in charge of executing operations activities at Baoma I in a safe, effective, and cost-efficient manner. The overall purpose of this role is to ensure the safe and effective maintenance of all plant mechanical equipment and systems in support of the Power Plant.

Reports to: Plant Manager, Baoma I

Workstation: Baoma I Solar PV plant, Sierra Leone

Department: Operations and Engineering

Direct Reports: None

Your Tasks:

- a) Carry out breakdown and scheduled maintenance of all plant/equipment at site or as assigned.
- b) Perform field diagnosis and troubleshoot various project systems issues such as inverters, switchgear, transformers, breakers, communications equipment, etc.
- c) Apply root cause analysis techniques on all major and recurring faults.
- d) Investigate technical failures and prepare formal technical reports.
- e) Assist the Plant Manager in preparation of scheduled maintenance programs and timely monthly and annual report of maintenance of the plant.
- f) Facilitate vegetation management plans and tasks as and when required.
- g) Ensure that maintenance schedules are adhered to.
- h) Test photovoltaic systems functionality and conformity to performance expectations and perform testing using IV Curve Tracers, Power Quality Meters, Insulation Resistance Testers, Multimeters, and other equipment as needed.
- i) Fill out daily work requests, document maintenance activities and complete checklists via spreadsheet, photography, and on the company's work order management system. Also, record and report all faults, deficiencies, and other unusual occurrences, as well as the time and materials expended on work orders.
- j) Use all appropriate PPE while on the job site and practice upmost safety for yourself, others, and equipment.
- k) Supervise junior staff and/or service providers assigned to work with him/her.
- l) Ensure safety of staff and equipment and adherence to Health, Safety and Environmental (HSE) Management systems.
- m) Assist in preparation of Annual Plans and Budgets for the plant and the assessment of the suitability of the plans.
- n) Work with other members of the operations and maintenance team, and sub-contractors (when applicable) to continuously improve system performance, and maintenance cost improvement
- o) Working with relevant colleagues to review the HSE plan and to track implementation of HSE improvements as agreed with all stakeholders.
- p) Assist in reviewing service provider technical reports, ensuring that service providers have appropriate O&M procedures documented and in operation, regularly reviewing the application of the procedures. Supporting the Plant Manager in the production of an annual Plant Status Review for the plant.
- q) Identifying worthwhile plant modifications and improvements to reduce risk and improve commercial performance.
- r) Ensuring that plant modifications and changes are properly specified, approved and carried out (including changes to drawings, procedures, O&M manuals, plant spares if required)

- s) Work closely with the dispatch technician(s) to relay information on how the site is operating or malfunctioning and make known to the dispatch technician(s) the progress of ongoing work
- t) Communicating incidents and events to the Plant Manager in a timely manner.
- u) Any other responsibilities that may be assigned to the job holder by the supervisor from time to time.

Working Relationships

- Internal Relationships: All site staff
- External Relationships: contractors, government agencies, regulatory authorities, suppliers/vendors, community

Knowledge, experience, and qualifications

- National Diploma or Advanced Craft Certificate (Sierra Leone) or equivalent from a recognized institution in: Electrical Power, Electronics, Mechanical and Production
- Minimum 3 years' experience in maintenance of a power plant or process/manufacturing plant
- Ability to interpret electrical schematics and drawings, process flow charts, and troubleshoot faults.
- Experience in maintenance of PV systems, power transformers, power transmission/distribution lines, diesel generators and electrical protection relays is desirable.
- Basic understanding of Computerized Maintenance Management Systems, SCADA or Distribution Control Systems, PLCs, quality and environmental management systems, power systems and health and safety requirements in a hazardous environment.
- Basic understanding of budgeting and financial controls.

Technical Skills

- Electrical and Electronic maintenance
- Basic understanding of PV solar production and operation
- Troubleshooting
- Working knowledge of Lock Out/Tag Out (LOTO) procedures / criteria
- Aptitude for learning and understanding operation of various testing equipment, tools and procedures utilized in the maintenance of PV power generation systems
- Analytical skills for technical data sheets, reports and drawings.
- Competent knowledge and use of MS Office and general IT skills.

About You:

Behavioral Skills

- Self-driven/entrepreneurial personality with managerial capabilities/experiences
- Knowledge of renewable energy technologies
- Team player
- Ability to work under minimal supervision
- Excellent communication skills at all levels; and
- Attention to detail and pride in work.
- Maintain a clean and orderly workspace whether in office or onsite
- Demonstrate exemplary ethics and professionalism at all times

Working Conditions

- Working Environment: Mainly field-based with office duties within the plant.
- Job Hazards: High chance of accidents or hazards e.g., electricity, dust, noise and heat.

Application Details:

Interested candidates are requested to forward their updated CVs to hr@serengetienergy.com stating the subject heading "Dispatch Technician - Baoma 1" on or before 5:00 P.M, **Monday 21 November 2022**.