

JOB DESCRIPTION

Job Title:	Power Engineer
Company:	Globeleq South Africa Management Services (GSAMS)
Reports To:	Engineering Manager
Direct Reports:	None; may give instruction to an Intern
Location:	Cape Town or Johannesburg with frequent travel to Globeleq' South Africa's 8 renewable energy power plant sites; occasional international travel
Employment Type:	Permanent

Organisational Context and Purpose of Role

Globeleq is a leading independent power producer operating and developing power projects in Africa. In South Africa, Globeleq owns and operates renewable energy (RE) power plants throughout the country.

The Power Engineer will provide expert technical support to staff based onsite at the various operational assets within the Globeleq South Africa portfolio.

The Power Engineer holds the technical change management responsibility which is implemented onsite by the O&M teams. The Power Engineer designs and implements change control systems to ensure technical changes within the operational assets are executed.

The Power Engineer will be responsible for maintaining and improving the Authorization Framework.

The Power Engineer may be responsible to develop the Project Management Office function at GSAMS.

The role will require routine travel for onsite activities.

Key Responsibilities

1. Provide expert technical support to the business units
 - 1.1. Provide specialist primary and secondary plant support to the operating plants
 - 1.2. Provide specialist insight on equipment condition based on data collected through engineering systems such as PTM, Perception, PQSCADA etc
 - 1.3. Develop and maintain a list of approved technical professional services contractors
 - 1.4. Drive engineering focussed improvement initiatives
 - 1.5. Advise on maintenance best practice guides
 - 1.6. Drive initiatives to reduce risk exposure
 - 1.7. Act as engineering representative in relevant management forums
 - 1.8. Provide ad-hoc technical feedback on maintenance activities and plant condition
 - 1.9. Maintain and refresh technical employer's requirements in partnership with the operations and development engineering teams
 - 1.10. Compile key primary and/or secondary plant specifications and design standards
 - 1.11. Identify and perform internal technical training as necessary
 - 1.12. Act as external examiner in authorisation assessments
 - 1.13. Manage and improve operational authorisation framework in line with relevant Acts, Regulations and industry best practices
2. Change management
 - 2.1. Co-develop and manage the Engineering change control system
 - 2.2. Manage technical document governance process
 - 2.3. Contribute to spare parts and consumables obsolescence management process

3. Project engineering
 - 3.1. Identify need/gap and define project scope in consultation with relevant stakeholders
 - 3.2. Lead or assist in the contractor procurement process
 - 3.3. Lead or assist in project management/execution
 - 3.4. Participate in project review and close-out

Any other duties, as assigned by Engineering Manager, in line with the role.

Experience, Knowledge and Qualifications

1. Minimum of five years' experience in design and/or maintenance and/or operation of power systems
2. B.Sc Eng/B.Eng in electrical engineering or NQF equivalent
3. ECSA professional registration is mandatory
4. Knowledge of primary and secondary plant testing
5. Formal training and/or significant proven experience in project management using Microsoft Project Server or similar project management system
6. Demonstrated experience in LV, MV and HV electrical systems, and in electrical safety training including Operating Regulations for High Voltage Systems (ORHVS)
7. Experience in implementing NFPA 70E and/or IEEE 1584 standards
8. Experience in designing and implementing plant safety regulations, and in electrical switching activities
9. Experience in running an engineering change control system
10. Ideally, experience as an appointed GMR 2.1 or as an appointed GMR 2.7
11. Government Certificated Engineer (GCC Factories) is preferred
12. Experience in wind and photovoltaic plants, and formal risk assessment training, would be an advantage
13. Formal risk assessment training would be an advantage
14. A valid light vehicle driver's license is required

Skills and Competencies

1. Able to handle multiple projects, prioritise work and work effectively under limited supervision
Able to analyse complex technical problems in order to ascertain and address the root cause
2. Able to explain complex technical concepts in order to influence a variety of audiences
3. Able to balance technical and commercial considerations in making recommendations
4. Working knowledge of computerised maintenance management systems
5. Very good MS Word and MS Excel skills, good MS PowerPoint skills and exposure to MS project (or similar) would be an advantage
6. Strong verbal communication, i.e. able to express ideas clearly face-to-face and in meetings and able to persuade others without having direct authority
7. Strong written communication, including clear report-writing, concise emails and competent presentation skills
8. Able to manage stress and high-pressure situations
9. Demonstrates initiative and is able to work independently
10. Good team player; able to balance team and individual responsibilities.

Prepared By	Glen Medlin & Laura James	Date	07/08/2019
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