

JOB DESCRIPTION

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

Main Purpose of Role

Globeleq is an experienced international power plant owner and operator. In South Africa, Globeleq owns and operates three renewable energy (RE) power plants: a 138 MW wind farm in Jeffreys Bay and two 50MW solar photovoltaic plants in Kimberley and De Aar. These projects emanate from government's REI4P programme and are among the first and largest RE plants to be constructed in the country.

The Power Engineer will be responsible for the implementation and oversight of the General Machinery Regulations (GMR) at the existing as well as new Globeleq South Africa Management Services assets. Furthermore, the role will interface with business development in an advisory capacity.

The role will require routine travel for onsite activities. Applicants should be aware of the possibility of between 25% and 50% of working days' ongoing travel requirement.

Key Responsibilities

1. General Machinery Regulations
 - 1.1. Act as Supervisor of Machinery
 - 1.2. Define policy and guidelines in accordance with General Machinery Regulations
 - 1.3. Define training standards for operators and supervisors of machinery
 - 1.4. Training of switching operators and officers
 - 1.5. Assist GMR 2.7 (assistant supervisors) in compiling plant specific safety regulations
 - 1.6. Ensure compliance to General Machinery and plant safety regulations is maintained
 - 1.7. Act as back up switching supervisor in the absence of plant GMR 2.7
2. Provide technical consulting to the business development department
 - 2.1. Compile key primary and/or secondary plant specifications
 - 2.2. Compile key primary and/or secondary plant design standards
 - 2.3. Compile technical employer's requirements
3. Capital projects
 - 3.1. Manage GSAMS' capital projects from conceptual through to commissioned stage

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

Skills / Competencies

1. Systems view in implementing electrical safety programs
2. Experience in designing and implementing plant safety regulations
3. Deep experience in electrical switching activities
4. Experience in electrical safety training including Operating Regulations for High Voltage Systems (ORHVS)
5. Experience in implementing NFPA 70E and/or IEEE 1584 standards
6. Experience in implementing a distributed switching processes
7. Working knowledge of computerised maintenance management systems
8. Ability to read and understand schematics
9. Knowledge of primary and secondary plant testing would be an advantage
10. Very good MS Word and MS Excel skills; exposure to MS project (or similar) and MS PowerPoint would be an advantage
11. Competent in all communications including clear, concise e-mails; report writing and presentation skills
12. Able to manage stress and high-pressure situations
13. Must be a self-starter and able to work independently
14. Good team player; able to balance team and individual responsibilities.
15. Able to handle multiple projects, prioritise work and work effectively under limited supervision

Experience, Knowledge & Qualifications

1. Minimum B.Sc Eng/B.Eng in Electrical Engineering or NQF equivalent
2. Government Certificated Engineer (GCC Factories) is mandatory
3. ECSA professional certificated engineer is a preference
4. Minimum of five years' experience in design, maintenance and operation of power systems
5. Demonstrated experience in LV, MV and HV electrical systems
6. Experience in wind and photovoltaic plants would be an advantage
7. Formal risk assessment training would be an advantage
8. Formal training in project management would be beneficial
9. A valid light vehicle driver's license is required

Application process

CV and cover letter, together with certificates and current salary details, to be emailed to jobs@globeleq.co.za by **Monday 4 September 2017**.