

JOB DESCRIPTION

Job Title:	Engineering Intern
Company:	Globeleq South Africa Management Services (GSAMS)
Department:	Operations
Reports To:	Engineering Manager
Location:	Cape Town (with occasional travel to GSAMS' renewable energy power plant sites)
Employment Type:	Full-time; Fixed-term Contract (1 year) from January to December 2019

Main Purpose of Role

The Engineering Intern will assist in the management and execution of engineering maintenance, grid-code compliance and project-related tasks within the Engineering and broader Operations Department. The Engineering Intern will participate in the development, implementation and maintenance of sound engineering practices through Globeleq's existing assets, assets under development and assets under construction, with the intention of optimising life-cycle performance.

As this is an internship position, applicants should have less than 1 year's working experience.

In line with our Employment Equity commitments, candidates from designated groups are preferred.

Key Responsibilities

1. Manage small capital expenditure projects
 - Managing contractor and consultant activities
 - Defining and documenting contractor scopes of work and drafting project contracts
 - Delivering projects on time, within budget and to agreed contractor quality
 - Following project engineering best practices
 - Participating in evaluating, reviewing and recommending suitable suppliers and contractors
 - Monitoring capital improvement projects and the performance of service providers in terms of quality, cost and time.

2. Assist with maintenance activities
 - Analysing plant maintenance, performance data and plant equipment life cycle costs
 - Administer and resolve site technical maintenance issues
 - Assisting with maintenance management programmes
 - Determining of standards and policies for the installation, modification, quality control, testing, inspection and maintenance
 - Providing refurbishment requirements for the 3-year capital expenditure and maintenance plans.

3. Assisting with the completion of Plant Assessments
 - Collating and extracting plant information and analysing plant performance and maintenance data
 - Assisting with on-site plant inspections to determine plant condition

- Assisting with investigations on abnormal incidents, quality of supply problems and problem equipment, and providing input for plant assessments.
4. Assisting with Grid Code Compliance
 - Assisting with complying with minimum technical and design grid connection requirements for Renewable Power Plants (RPPs)
 - Assisting with system studies to ensure Grid Code Compliance
 - Performing Arc flash calculations.
 5. Work towards requirements of a professional engineering registration
 - Maintain a work experience log book
 - Build competencies in the 11 engineering domains of knowledge
 - Register as a candidate engineer.
 6. General Engineering Department Assistance
 - Taking responsibility for testing equipment, tools and instrument acquisition, maintenance, calibration, repairs and replacements
 - Analysing all equipment requirements and assist in requisition of all tools and equipment
 - Participating in ISO 55 000 related activities
 - Assisting with the management of drawings and maintenance of StationWare
 - Monitoring of stock and spares quality and suitability
 - Offer general administrative assistance to the Engineering team
 - And any other duties, as assigned by the Engineering Manager or Power Engineers, in line with the role.

Skills and Competencies
<ol style="list-style-type: none"> 1. Able to establish and maintain professional working relationships with internal and external parties. 2. Display a sense of leadership skills. 3. Must be a self-starter and be able to work independently. 4. Good communication skills including clear, concise e-mails; report writing and presentation skills. 5. Able to perform well under high-pressure situations. 6. Good team player; able to balance team and individual responsibilities. 7. Able to handle multiple projects, prioritise work and work effectively under limited supervision. 8. Very good organising skills and attention to detail.

Experience, Knowledge and Qualifications
<ol style="list-style-type: none"> 1. Graduate B.Sc. Eng. / B.Eng. in Electrical Engineering. Students completing their studies by the end of 2018 will also be considered. 2. Some exposure in wind and photovoltaic plants would be an advantage. 3. Able to read and understand schematics. 4. Able to assimilate complex technical systems and processes. 5. Very good MS Word and MS Excel skills; exposure to MS project (or similar) and MS PowerPoint would be an advantage. 6. Valid light vehicle driver's license would be an advantage.

Prepared By	Glen Medlin, Zaid Omardien and Tasneem Barendse	Date	03/09/2018
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Application process	Please visit www.globeleq.co.za/careers for a full job description and application process. Queries to be emailed to jobs@globeleq.co.za . Applications close Monday 15th October 2018 .
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