



GLOBELEQ

RECRUITING FORM/JOB DESCRIPTION

Job Title:	Wind Turbine Engineer
Company:	Globeleq South Africa Management Services (GSAMS)
Reports To:	Plant Manager: Jeffreys Bay Wind Farm
Location:	Jeffreys Bay Wind Farm, South Africa
Role Type:	Permanent

Main Purpose of Role

The Wind Turbine Engineer is the technical expert for GSAMS in respect of wind turbine operation and technology. He/she ensures the maximum performance of the turbines by analysing current plant performance, recommending improvements and ensuring these improvements are carried out successfully. He/she is responsible for monitoring and checking work and reporting done by the Siemens maintenance team.

Key Responsibilities (this list is not exhaustive)

1. Carry out, or participate in, root cause analyses on failed turbine components in conjunction with the original equipment manufacturer (OEM).
2. Analyse wind farm performance to identify performance issues and propose and develop turbine improvement programmes.
3. Interpret and comment on technical publications emanating from equipment suppliers and service providers.
4. Ensure all wind turbines achieve their expected performance in respect of the guaranteed power curve and report on deviations.
5. Develop and write standard operating procedures.
6. Troubleshoot complex turbine failures and propose and/or implement solutions.
7. Assist wind turbine technicians in the diagnosis and resolution of wind turbine technical issues.
8. Assist the Jeffreys Bay Plant Manager in developing and implementing the training plan for the Jeffreys Bay Wind Farm.
9. Develop and implement turbine inspection plans where required.
10. Monitor new technologies or applications and develop performance indicators.
11. Develop technical expertise in all matters to do with turbine components and turbine and wind farm control systems.
12. Other tasks as assigned by the Plant Manager.

Qualifications, Experience & Knowledge

1. Honours degree in electrical engineering / mechatronics / electro-mechanical engineering plus ideally at least two years' wind turbine generator (WTG) or similar electro-mechanical experience
2. Working knowledge of SCADA systems.
3. Able to read and understand electrical and hydraulic system schematics, including drawings and prints.
4. Able to read and interpret electrical and mechanical drawings and diagrams.
5. Able to read and interpret procedural manuals and documents related to safety regulations, operation and maintenance.
6. Demonstrated knowledge of testing and troubleshooting equipment.
7. Demonstrated knowledge of fundamental electrical and electronic principles
8. Strong computer literacy (MS Office and SCADA technology)

9. Able to climb a ladder of 100m without assistance, in adverse weather conditions.
10. Able to work at heights of up to 100 m.
11. Able to lift 23kg without help

Competencies

- Good verbal communication and listening skills
- Good command of English. Ability to converse in Afrikaans would be an advantage.
- Good written communication, including clear, concise e-mail communication and able to write clear reports and policies with low error rates
- Able to influence others without having direct authority
- Excellent analytical and problem-solving ability
- Strong detail-orientation Good team player; able to balance team and individual responsibilities.
- Committed to and adept at continuous learning; able to apply new learning to the role quickly

Resource Management	None
Location	Jeffreys Bay Wind Farm
Application Process	<p>Please email the following to jobs@globeleg.co.za with the Subject "Wind Turbine Engineer: <i>insert your name</i>"</p> <ul style="list-style-type: none"> • CV • Cover letter, including information about Employment Equity Status (race, gender, disability) • Certificates or proof of completed studies <p>Due date: Monday 28 November 2016</p>