

## JOB DESCRIPTION

<b>Job Title:</b>	Control Room Operator
<b>Company:</b>	Globeleq South Africa Management Services (GSAMS)
<b>Company:</b>	Remote Operations Centre (ROC)
<b>Reports To:</b>	Operations Engineer
<b>Location:</b>	Cape Town, South Africa
<b>Employment type:</b>	Permanent

### Main 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 main role of the Control Room Operator is to remotely monitor and control the company's power generation facilities to optimise energy production and ensure safety.

Monitoring and operational control is done through the use of Distributed Control System (DCS), Computerised Maintenance and Management System (CMMS) and Enterprise Resource Planning (ERP), systems. SCADA, CMMS, ERP and other systems are used to detect, analyse, respond and report on events that could negatively impact power plant energy production and operational safety and facilitate optimal asset performance.

**The role is shift-based, contributing toward 24/7/365 ROC availability.**

### Key Responsibilities

- 1. Remote monitoring of renewable energy (solar PV and onshore wind) asset fleet under contract with GSAMS.**
  - 1.1. Identify faults or underperformance of equipment and initiate corrective actions to resolve it.
  - 1.2. Gather information and report on plant related events.
  - 1.3. First level fault finding using technical documentation and drawings, i.e. undertake investigations to find the root cause, apply corrective actions and provide feedback.
  - 1.4. Analyse, interpret and report power quality events.
- 2. Safe remote operation of power plant equipment as set out in the relevant procedure.**
  - 2.1. Operate MV, LV and production equipment, including turbines and inverters.
  - 2.2. Operate auxiliary equipment that supports the production equipment.
  - 2.3. Setpoint and facility command control, along with the regional control centre for the network operator.
- 3. Complete reports relating to compliance, plant and maintenance performance.**
  - 3.1. Complete the required compliance reporting as assigned.
  - 3.2. Complete power plant performance, key performance indicators (KPIs) or downtime reports timeously and accurately.
  - 3.3. Responsible for data collection from the SCADA system and other database systems.
- 4. Dispatch on-site operations and maintenance (O&M) team to attend to outages, faults and any warnings or events.**
  - 4.1. Create and dispatch corrective maintenance work orders (WO).
  - 4.2. Partake in the development of the preventative maintenance plans and schedules.
  - 4.3. Provide planning and scheduling support to the teams on-site when delegated by the Senior Control Room Operator or line manager.

**5. Provide Distributed Control System (DCS) support to the on-site teams through remote and local support.**

- 5.1. Conduct remote and local investigations on DCS related failures.
- 5.2. Responsible for engineering changes on the DCS.
- 5.3. Integrate new and existing power plant equipment into the DCS.

**6. Assist in the development of systems to support the operating areas of the team.**

- 6.1. Develop monitoring systems and integrating new and existing power plants.
- 6.2. Develop operational procedures used on new and existing power plants.
- 6.3. Develop or contribute to the development of reporting systems.

**7. Complete any other general or administrative tasks, as assigned by the line manager.**

- 7.1. Attend to incoming calls and escalation procedures.
- 7.2. Follow all cooperative safety policies and procedures.
- 7.3. Monitor and identify continuous and focused improvement opportunities.
- 7.4. Any other tasks in line with the role.

**Skills and Competencies**

1. Excellent command of English.
2. Able to distinguish colour and hear alarms.
3. Excellent verbal communication: includes being responsive, having good listening skills and being able to communicate appropriately with all levels of personnel.
4. Effective written communication: includes writing clear, concise e-mails and report-writing.
5. Good problem-solving capability.
6. Able to manage stress and high-pressure situations.
7. Able to handle multiple projects, prioritise work and work effectively under minimal supervision.
8. Good team player; able to balance team and individual responsibilities.

**Experience, Knowledge and Qualifications**

**The following requirements will be regarded as the minimum requirements for the candidate in the role:**

1. N4 Certificate in Electrical / Mechanical / Mechatronic or equivalent NQF level.
2. 1-year relevant working experience, including in-service training.
3. Working knowledge of Microsoft Office including Excel, Word, Outlook and PowerPoint.

**The following requirements will be regarded as advantageous to the candidate in the role:**

1. Experience in renewable energy power plant operations or field maintenance.
2. Experience in DCS or SCADA, such as Siemens SPPA-T3000, WinCC, Wonderware or other SCADA systems.
3. Knowledge of or experience in ERP/CMMS systems such as SAP, IFS or OnKey.
4. Knowledge of network data communications, client/server functions and hardware/software architectures.

<b>Prepared By</b>	Ryan Kuhn and Tasneem Barendse	<b>Date</b>	2019/04/16
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<b>Application process</b>	CV and cover letter, together with certificates and current salary details, to be emailed to <a href="mailto:jobs@globeleq.co.za">jobs@globeleq.co.za</a> by <b>Tuesday, 30<sup>th</sup> April 2019.</b>
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