



SCADA Engineer

Introduction to SOLA

The SOLA Group is a vertically-integrated provider of renewable energy solutions, aiming to transform Africa through clean energy. With over 13 years of experience, SOLA's expertise lies in the origination, development, financing, engineering design, project management and Operations and Maintenance of renewable energy facilities. For more information, visit www.solagroup.co.za.

The overall purpose of the position:

The purpose of the role is to design and commission PV Plant SCADA systems that have high data accuracy, availability and functionality in order to operate these plants effectively.

Location: Cape Town (preferably)

Summary of Responsibilities:

- Commissioning Utility Solar PV Projects: Working with the commissioning team on utility solar PV projects, ensuring alignment with project requirements, assisting with establishing commissioning plans and leading Eskom signalling compliance tests.
- Assist in the design of network architecture: Assist with the physical and logical network architecture for utility solar PV power plants.
- Creating Signal and IP Lists: Developing signal and IP lists for integrating devices into the SCADA network.
- Managing Vendors/Service Providers: Coordinating with vendors and service providers for their input on control, communication, protection, and monitoring.
- Commissioning Primary and Secondary Plant Devices: Assist in the configurations/commissioning of devices of both Primary and Secondary plant, which may include development work for RTUs and HMIs.
- Troubleshooting and Testing: Utilising expertise in SCADA and industrial communication protocols for troubleshooting, testing, and design.
- Review Processes: Participating in review processes, evaluating both design and performance.
- Creating Network Drawings: Drafting network/logic drawings to represent the SCADA network connections/control/protection.
- Creating documentation on various processes: Creating signal schematics to show pathways and integrations within the network. Producing coding manuals for RTUs. Creating functional testing procedures, design checks and commissioning checklists.
- Assisting with Knowledge Sharing: Engaging with team members to share knowledge and expertise.
- Staying Up to Date with New Technologies: Regularly researching and staying informed about the latest industry technologies and communication protocols for implementation on utility-scale projects.
- Ensuring Compliance and Safety: Adhering to regulations, standards, and safety guidelines.
- Emergency and Crisis Management: Responding to unexpected issues or emergencies promptly.
- Ongoing Support and Maintenance: Providing ongoing support, maintenance, and enhancements.
- Pricing for future projects: Assist with creating detailed SCADA BoQs
- Other Duties: Performing other related duties as required, consistent with the position of SCADA Engineer.

CLEAN ENERGY FOR AFRICA

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Key Performance Indicators

- Successful completion of RETEC approval
- System and network stability of plant SCADA
- Data availability of higher than 99%
- System availability of higher than 99%

Minimum Requirements:

- At minimum, BTech or BEng in Electrical/Electronic or Computer Engineering.
- At least 3 years of experience in SCADA design and commissioning.
- Willingness to work onsite for extended periods of time (4-5 months, as example, with R&R as applicable).
- Have the ability to work under pressure and communicate effectively on progress and delays of the project.
- Have the ability to collaborate effectively in large teams and prioritise commissioning of critical path items.
- Must be fully proficient in English (verbal and written communication).
- Must be fully computer literate (MS Office Suite and Google App Suite).
- The ideal candidate will be passionate about the renewable energy industry and will embody respect and responsibility in the full sense of the word, while enjoying contributing to a team of highly knowledgeable professionals.

At SOLA one of our core values is *Dig Diversity* and we are committed to transformation and embracing diversity. This commitment is what drives us to achieve a diverse and inclusive workplace, representative of the demographics of our society. We therefore give preference to applicants from the designated groups in alignment with our Employment Equity plan.

To apply for this vacancy, [please click on this link](#) to complete the application form. Further instructions are included in the form.

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