



Microgrid Engineering Manager

Introduction to SOLA

SOLA is a vertically-integrated provider of solar technology, finance and engineering expertise in Africa. SOLA grows businesses, connects communities and helps people prosper by advancing the adoption of clean energy throughout the African continent. Our team is committed to powering Africa with clean, affordable energy.

The overall purpose of the position:

To take ownership of the microgrid department and manage the engineers, processes and overall development of SOLA's microgrid expertise.

Reports to: Chief Technical Officer

Location: Cape Town

Summary of Responsibilities:

Technical

- Design and commission grid tied and off grid micro-grids, integrating generator control and protection SCADA.
- Use and further develop the in-house microgrid model to optimise the battery and PV sizing to maximise returns for potential and contracted microgrid projects.
- Maintenance and troubleshoot microgrids under operations and maintenance agreements. Including being on-call during non-working hours on a rotational basis.
- Compile proposals and tenders for potential clients.

Managerial

- Manage internal (team) and external resources to ensure delivery of key priorities.
- Manage and train SOLA's microgrid/storage engineers to assist in the tasks listed in this job description and technical responsibilities, and to increase engineering capacity in SOLA.
- Continuously scan the competitive environment to ensure that SOLA stays abreast of new developments in storage technology.

Interpersonal

- Establish strong working relationships with a diverse range of internal and external stakeholders.
- Working closely with multidisciplinary teams to solve problems in an innovative way.
- Operate as a strategic thinker, using your knowledge of energy markets and renewable energy to inform SOLA's strategy and implementation plans over the coming decades.

Key Performance Indicators

- Achieve Project Score of 80% and above.
- Achieve Tender Strike Rate of at least 50%

Minimum Requirements:

- At minimum, a National Diploma (Electrical Engineering), however an Engineering Degree (Electrical) will be a distinct advantage.
- Must have approximately 3-5 years' work experience with proven experience in PV and microgrid design and commissioning.
- Experience developing PLC code for both monitoring and control application.
- Strong desire to learn and grow within a multidisciplinary environment.
- Independent and critical thinker with strong analytical ability and commercial awareness.

CLEAN ENERGY FOR AFRICA

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- 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 the company's contribution to the future of energy.
- He/she will embody respect and responsibility in the full sense of the word, and will enjoy contributing to a team of highly knowledgeable professionals.

Beneficial Skills and Experience:

- Practical understanding of generator control and integration with microgrid control.
- Comprehension of the South African Grid Code and implementation of Protection and SCADA in renewable energy plants.
- Coding experience using C++, Javascript, Python, SQL, Linux Web Server.
- Previous experience using applications such as CAD, PVSyst and PVSol.
- Pr.Eng registration with ECSA.

If you are interested in applying for this vacancy, please submit your CV, academic transcript and matric results to hireme@solagroup.co.za. Kindly also complete the screening questionnaire and skills matrix [here](#).