

Design Engineer Intern

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.

Overall purpose of the position:

The purpose of the Design Engineer Intern position is to provide the suitable candidate with practical experience in Design Engineering with a particular focus on research, feasibility studies and other administrative tasks related to a solar design project, while providing support to the business in the listed functions.

Location: Granger Bay, Cape Town, South Africa

Contract: 4 Month Fixed Term Contract

Start Date: 1 February 2020

Summary of Responsibilities:

- Process and analyse data recorded on Rooftop Solar PV projects, including, but not limited to:
 - Impact of soiling & cleaning of modules on financial performance
 - Temperature of modules on various parts of the installation
 - Rainfall analysis
 - Inverter comparison
 - Module comparison
 - Comparison of forecasted against actual yield
- Complete feasibility studies, which involves:
 - Yield analysis - using PVSol simulation software
 - Load analysis and system sizing
 - Module layout and stringing
 - Information collection and pricing of proposed solution
 - Populating the proposal template
- Assist with SSEGs & NERSA Applications
- Assist with writing manuals
- Code/programming
 - Throttling of inverters
 - HMI Building

Key Performance Indicators

- Informative summary report of data analysed
- Feasibility Study Completion Timeline
- Turnaround time for SSEG applications
- Turnaround time for NERSA applications

To be successful in this role, the candidate will:

- At minimum, have a Degree in Electrical Engineering
- Have the ability to pay attention to detail especially required for working with numerical data
- Be eager to work with solar energy projects by having done some prior academic work (research assignment/proposal, etc) in this field
- Ability to communicate effectively and professionally in English (verbal and in writing)

SOLA is dedicated to achieving transformation, hence one of our values is "dig diversity". Our Employment Equity plan and targets will be considered as part of the selection process process for this internship position.

If you are interested to apply for this vacancy, please submit your CV, academic transcript and matric results to hireme@sola.africa.

CLEAN ENERGY FOR AFRICA

SOLA GROUP (PTY) LTD | T: +27 (0)21 421 9764 | INFO@SOLA.AFRICA | WWW.SOLA.AFRICA

DIRECTORS: C. HAW | D. WILLS | D. CHENNELLS | S. HAW | REG. NO 2012/042769/07