



Electrical Support Engineer (Short Profile)

Introduction

To provide alternate & renewable energy and discipline specific electrical engineering support services to company engineers and its clients, including analysis, design and construction monitoring duties while supporting the broader business, values and vision.

Duties & Responsibilities

1. Business Development and Support (tender management, proposal development)
2. Internal Project Management, Health and Safety, Administration & Quality Mgt Procedures
3. Project Delivery (support to project teams & CTO regarding all aspects of design, costing, reporting, adjudication, construction, operational and monitoring processes)
4. Alternate & Renewable Energy Support Services
 - Support the feasibility, data analysis, basic and detailed design and development of alternate & renewable energy systems (incl. electrical schematics & diagrams, site inspections and surveys and engineering calculations)
 - Collaborate with project managers to develop project timelines and budgets and manage quality.
 - Provide technical support to technicians and other contracted engineers on renewable energy projects.
 - Assisting with training and mentoring of in-training engineers/technologists.
 - Commit to health, safety and environment protocols and ensure zero harm to all employees, clients, contractors with zero environmental incidents.

Desired Experience, Qualification and other requirements

- B. Eng (Electrical) degree.
- A sound knowledge of the fundamental requirements of electrical systems and/or renewable energy technologies and the basic requirements of other disciplines that interface to these electrical systems.
- Added advantage:
 - A minimum of 10 years technical and practical experience, post qualification, in Alternative & Renewable Energy systems and projects including PV, wind and other alternative energy systems.
 - Capabilities to include feasibility studies, technical & economic due-diligence, analysis, design, documentation, construction monitoring and preventative maintenance of solar generation, battery storage, invertors, UPS, Hydrogen technologies, wind generation and other alternative energy systems.
 - Knowledge of the SSEG regulatory environment for the integration with the utility grid, code compliance and associated legislation is required.
 - A sound knowledge of applicable local and international standards and statutory and regulatory requirements, i.e., IEC, SANS, NRS.
 - Proficiency in applicable electrical & alternate/renewable energy design & analysis software.
- A sound knowledge of MS OFFICE software is essential such as Excel, Word, PowerPoint, Teams, Projects etc.
- RSA driver's licence and own transport/vehicle for site/meeting use.