



sanedi

South African National Energy
Development Institute

ENERGY INNOVATION FOR LIFE

SANEDI, PO Box 9935, Sandton, 2146

A: CEF HOUSE, Block C, Upper Grayston Office Park, 152 Ann Crescent, Strathavon, Sandton, 2146

T: +27 [11] 038 4300 E: information@sanedi.org.za W: www.sanedi.org.za

JOB REQUIREMENTS

- Position:** Project Manager
- Programme:** Programme 2
- Division:** Smart Grids Sub-Programme
- Location:** SANDTON
- Period:** Fixed Term Contract - 2 year

Background of SANEDI and the Smart Grids Sub-Programme:

The South African National Energy Development Institute (SANEDI) was established in 2011 under the National Energy Act, 2008 (Act No. 34 of 2008) (NEA). The Act provides for SANEDI to direct, promote energy research, and technology innovation as well as undertake measures to promote energy efficiency throughout the economy.

The Smart Grids division is a sub-programme within SANEDI's Applied Energy Research & Development programme (Programme 2). This sub-programme is tasked with assessing and demonstrating the benefits of deploying intelligent electricity system infrastructure within the distribution network as an enabler for municipal sustainability. In addition, contribute towards sustainable energy solutions, providing thought leadership in the space of smart grids and building energy expertise and competence across the industry.

About the position:

The smart grids division requires a project engineer with electricity distribution network experience to support pilot projects within municipal distribution networks, in addition to general applied energy research and development knowledge to support smart grids development in South Africa. This individual must be ready to lead and coordinate operations of project and research activities within the division in addition to other responsibilities as required. Project management coordination will be pursued through the undertaking of appropriate actions, systems thinking in the formulation, implementation and evaluation of any undertaken. Performance reporting and quality assurance is key to the successful delivery of projects within this strategic area. This position requires an individual able to engage with executive management, senior officials from public entities, industry stakeholders on day-to-day basis. The project manager will report to a General Manager and senior project manager, receiving strategic and technical guidance in fulfilling the requirements of the role.

In addition, the successful candidate must have the following qualities:

- Pay attention to detail as the job requires being careful about detail and thorough in completing work tasks.
- Be an analytical, able to analyse information and using logic to address work-related issues and problems.
- Have integrity as the job requires being honest and ethical.
- Be reliable, responsible, and dependable in fulfilling obligations.
- Take initiative and be willing to take on responsibilities and challenges. Adaptability and flexibility as the job requires being open to change.

Qualifications and experience:

- Bachelors of Science (Hons) Electrical Engineering / Mechatronics / information technology engineering
- Minimum 3 years' experience in electricity distribution networks
- Knowledge of the electricity distribution industry
- ICT and systems engineering knowledge
- Knowledge in Project Management (PMI)
- Knowledge of the Smart Grids
- Knowledge of electrical South African engineering standards, good practices, policy and regulations.
- Registered with the Engineering Council of South Africa (ECSA) in any of the professional categories is an added advantage except Professional Technician.

Job Requirements:

- Have an extensive understanding of smart grid technologies, and advanced metering infrastructure deployment.
- Experience working with municipalities and understanding of municipal energy environment (Electricity infrastructure, systems and processes).
- Engineering projects management and project finance experience.
- Have an understanding of back-office management systems and metering, communications and control protocols technologies.
- Have strong computer skills, using appropriate electrical modelling software applications, mastery of all applications of the MS Office Suite package.
- High level of problem solving and analytical skills
- Strong leadership, managerial and coordination skills, with a demonstrated ability to effectively coordinate the implementation of large multi-stakeholder projects, including financial and technical aspects.

- Ability to coordinate and supervise multiple Project Implementation teams in their implementation of technical activities in partnership with a variety of stakeholder groups, including local community and government.
- Demonstrated interpersonal and problem-solving skills, and excellent written and oral communication abilities.
 - Ability to communicate and work effectively with all levels of the organisation and with counterparts in outside organisations.
 - Ability to write clearly, concisely and able to work in a team and individually.

Responsibilities of the role:

- The project manager will lead, coordinate and manage electrical, engineering and technology project related activities, including all administrative requirements.
- The project manager shall be responsible for the overall coordination and delivery of all aspects of the projects he/she is assigned to.
- Responsible for the delivery of all managerial, technical and financial reports from and on behalf of the assigned projects in the required format.
- Plan the activities of the projects and monitor progress against the approved annual workplan, and multi-year workplan as per the scope of work.
- Responsible for the overall delivery of the project within the specified time and budget
- Develop and justify solutions to complex problems.
- Support with the development of targets, specifications, schedules, and budgets against scope requirements
- To develop self and other team members through training, and sharing of experiences in the area of technical expertise and promote team growth.
- To collect project data and integrate information for the development of programme reports, feasibility studies and assessment insights.
- To report on stakeholder engagement and maintain stakeholder relationships.

- To produce regular status reports on project activities that include required financials.
- Regular travel within South Africa to organise and monitor project activities.

Additional Information:

The project manager will be based at the SANEDI office in Sandton, Johannesburg.

Please email a detailed CV to: smartgrids01@sanedi.org.za

The closing date for this position is: 22 September 2023

Should you not hear from SANEDI within 30 days after closing of this advert, please consider your application unsuccessful.