
DIRECTORATE
ENERGY

DEPARTMENT

Electricity Generation and
Distribution

SALARY

R1 307 905.00 TCOE (T16)

REFERENCE NUMBER

NRG 105/26

CLOSING DATE

11.09.2026

ELIGIBILITY

Suitably Qualified
Candidates

Principal Professional Officer

Requirements

- Relevant Tertiary Qualification preferably in Engineering (B.Eng / B.Sc.(Eng) / B Tech in Electrical Engineering)
- Registered with ECSA as a Professional Engineer (Pr Eng) or Professional Engineering Technologist (Pr Tech Eng).
- 8 years or more relevant experience, post first relevant tertiary qualification.
- Relevant SCADA field services experience including experience in the testing and maintenance of RTU's and communication devices.
- Managerial experience.
- Project and Financial management.
- A high degree of computer literacy.
- Driver's license: Code B/EB.

Key Performance Areas

- Investigating, analysing and implementation of new RTU technologies and their application within the SCADA outstation and HV/MV network environment.
- Communicating and interacting on a regular basis with Protection Projects & Design and Protection Field Services regarding the design, implementation and commissioning of new SCADA technologies including RTU specifications and applications.
- Performing preventative and defect maintenance of the SCADA, RTU, power supplies and communication infrastructure installed base.
- Analysing system performance and determining what changes are required to improve system response times and communication throughput.
- Monitoring contractor performance against agreed terms and conditions through ongoing interaction with site personnel, on-site inspections, regular site meetings and alerting the contractor to any acts of non-conformance.
- Ensuring contractors comply with all aspects of the Construction Safety Regulations and the Occupational Health and Safety Act through regular site inspections, enforcement of safety plans and record keeping of all non-compliances.



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- Compiling 3 to 5 year capital expenditure programs for the section detailing priority SCADA upgrading projects, analysing and re-prioritizing operating requirements and forwarding plans to determine funding and expenditure for each financial year by consolidating the section's Operating and Capital budget.
- Monitoring and implementing corrective measures to rectify deviations/acts contrary to financial regulations, audit requirements and departmental procedure.
- Coordinating and negotiating with SCADA supply companies and manufacturers for the supply of the latest software platforms for different RTU types.
- Directing the procurement of the latest software versions and platforms, including licensing and documentation and the storing of master copies in fire proof vaults.
- Analysing the performance of all RTU technologies by receiving performance reports from staff responsible for the various outstation installation facets.
- Reporting to the Coordinator: Protection on the success/failure of the differing technologies, the performance, costs and maintenance efforts for the various RTU components and providing recommendation as to which would be the most cost effective and appropriate technology into the future.
- Coach, mentor and encouraging further training and development of staff with regards the new technologies to improve knowledge, operational experience and providing effective service delivery.
- Providing staff with the opportunity of attending training w.r.t. new products and technologies.

How to Apply

By submitting your application for a position at the City of Cape Town, you are consenting to the use of your personal information provided as part of your application and/or Recruitment process for Recruitment and Selection purposes. In addition, you may be required to undergo, including but not limited to, Criminal and Security Checks, Personal Verification, and Lifestyle Audits, throughout your recruitment process and/or subsequent employment.

External candidates: APPLY ON LINE VIA

www.capetown.gov.za/careers

Internal staff: APPLY ON LINE VIA SAP PORTAL

Applicants are respectfully informed that, if no notification of appointment is received within three months of the closing date,



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they must accept that their applications were unsuccessful



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