



## Electro-Mechanical Technician: Antarctica | Approximately Fifteen Months Contract (OC13/2022)

**Salary:** R 552 081 p.a (All-inclusive package)

**Centre(s):** Antarctica

### Requirements:

- Must be in possession of a Trade Certification (Millwright) or a National Diploma or Degree in Electro/Mechanical Engineering or relevant comparable qualification, with a minimum of three years' relevant post trade / qualification experience.
- A Wireman's licence will be advantageous.
- Competent in electrical and mechanical plant maintenance, diagnostics and repairs with proven fault-finding capabilities.
- Experience with pumps, compressors, heat exchangers, pipe fitting, plumbing, hydraulics, refrigeration, air conditioning.
- Experience in diesel engine maintenance; and Plant, Factory or Building maintenance management.
- Good understanding of Basic PLC programming and fault finding; Variable Speed Drives (VSD) and Servo Drives; Electrical fault finding and panel design (From 24VDC up to 400VAC); HMI Programming and fault finding; and Electrical schematics.
- The incumbent has to be familiar with good workshop practices, including an understanding of current work health and safety policies.
- The incumbent must be computer literate, have good verbal and written communication skills and the ability to work in a team.

### Duties:

- The incumbent will be responsible for providing maintenance, and repairs of the Electrical, Mechanical and Civil services and equipment at the SANAE facility.
- Must ensure the efficient maintenance, service ability and operation of the Electrical, Mechanical and Civil equipment.
- Perform daily routine checks on the equipment to ensure all is operational.
- Troubleshoot and maintain equipment to ensure that all equipment runs efficiently.
- Execute planned and unplanned maintenance activities as per schedules. Physically monitor and control of the facility processes.
- Ensure the service ability of all additional base related technical systems and equipment.
- Prepare monthly reports on all work performed, conditions of electrical and mechanical equipment, and spares utilized or required.
- Analyse previous Electro-mechanical technician (Millwright) reports and prepare program of action.
- Conformance with environmental and safety requirements.
- Conduct safety inspections.
- Examine equipment and complete safety checklist.
- Comply to OSH ACT requirements.

**Note:**

- The incumbent will execute duties at a Sub/Antarctic Base and adhere to the health, safety and environmental requirements.
- The successful applicant will spend a full year (December 2024 to February 2026) at SANAE.
- There is no option to return to South Africa before February 2026.
- The ability to work and live with small groups of people is thus essential.
- Although the base is well-equipped with e-mail, fax and satellite telephone facilities, the applicant has to be self-sufficient and self-motivated.
- The location may affect both the physical and mental well-being of the incumbent, their family and close relationships.
- Candidates must be physically fit, mentally strong and prepared for physically challenging and satisfying work.
- In addition the successful candidates may often be called upon to work long hours in extreme conditions on duties unrelated to their function.
- Short-listed candidates will be subjected to screening and security vetting to determine their suitability for employment.
- Appointment to these positions is subject to a rigorous medical examination as well as psychometric assessment, which will be arranged for at no cost to the applicants.

- All applications must be submitted on a signed **new Z83 application form** (*click bold underlined text to download PDF form*) accompanied by a recent detailed curriculum vitae to be considered.
- Please note that ***should you not use the newly amended Z83 and completed, initialed and signed in full, the department reserves the rights to disqualify your application.***
- **Applications may be forwarded to:** The Director-General, Department of Forestry, Fisheries and the Environment, Private Bag X4390, Cape Town, 8000 or hand-deliver to 63 Strand Street, Cape Town, 8000. **Marked for attention:** Human Resources Management.
- It is the applicant's responsibility to have foreign qualifications evaluated by the South African Qualification Authority (SAQA). Correspondence will be limited to successful candidates only.
- The National Department Forestry, Fisheries and the Environment, is an equal opportunity, affirmative action employer. Preference may be given to appointable applicants from the underrepresented designated groups in terms of the department's equity plan. Persons with disabilities are encouraged to apply.
- Correspondence will be limited to successful candidates only.
- Short-listed candidates will be subjected to screening and security vetting to determine their suitability for employment, including but not limited to: criminal records; citizenship status; credit worthiness; previous employment (reference checks); social media checks, and qualification verification.
- Short-listed candidates will be expected to avail themselves at the department's convenience.
- **Entry level requirements for senior management service (SMS) posts:**
  - In terms of the Directive on Compulsory Capacity Development, Mandatory Training Days and Minimum Entry Requirements for SMS that was introduced on 1 April 2015, a pre-entry certificate obtained from National School of Government (NSG) is required for all SMS applicants.
  - The course is available at the NSG under the name "certificate for entry into SMS" and the full details can be obtained by following the below link: <https://www.thensg.gov.za/training-course/sms-pre-entryprogramme/>
  - Shortlisted candidates must provide proof of successful completion of the course.
  - Furthermore, candidates shortlisted for the SMS post will be subjected to a technical exercise that intends to test relevant technical elements of the job.
  - Following the interview and the technical exercise, the selection panel will recommend candidates to attend a generic managerial competency assessment in compliance with the DPSA directive on the implementation of competency-based assessments.
- The person appointed to this position will be subjected to a security clearance, the signing of a performance agreement and an employment contract.
- The department reserves the right not to make an appointment.
- If you have not been contacted within three (03) months after the closing date of the advertisement, please accept that your application was unsuccessful.

**Enquiries:** Mr Willem Boshoff  
Tel: 021 493 7379

**Closing date:** 10 June 2024

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