

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environment, Forestry and Fisheries (DEFF) and is governed by a Board. The organisation is an authoritative voice for weather and climate related services in South Africa and is a member of the World Meteorological Organisation (WMO) to fulfil a range of international obligations of the government. South African Weather Service (SAWS) strives to be a Weather and Climate Centre of Excellence providing innovative solutions to ensure a weather-smart region, sustainable development and economic growth.

The South African Weather Service (SAWS) is therefore seeking to appoint an efficient and enthusiastic person to undertake the role of:

Specialist Lightning Detection Network

Salary total package: negotiable

Ref.WS14/022022

Centre: Centurion

Job Summary

The position of Specialist: Lightning Detection Network reports to Manager: Lightning Detection Network (LDN) and Web-based Camera (WEBCAM) Network. The Specialist will be responsible for the Lightning Detection Network operations. The sensor configuring for the collection, monitoring, analysis, and related data de-semination from the SAWS observation network.

Key performance areas

- Development of monthly maintenance plans and activities
- Plan, schedule manage the execution of maintenance activities, provide reliability reports and analysis
- Analyse LDN performance, maintenance outputs and impact of maintenance
- Provides failure analysis, recommendations and innovative solutions
- Track and monitor scheduled calibration and verification of instruments
- Analyse maintenance outputs and impact of maintenance interventions.

- Manage SCM logistics including dispatching of spares to different regions
- Ensure the maximum possible flow and accuracy of data from the LDN Infrastructure and limiting down time for calibration and maintenance purposes to a minimum
- Provides gaps analysis and solutions for improvement of maintenance processes.
- Analyse the entire infrastructure performance and provides engineering solutions
- Maintain and support lightning detection sensing data collection systems
- Oversee and guide the assembly and installation of electronic weather observation systems and associated peripheral equipment according prescribed guidelines
- Manage the planning and approval of calibration and verification plans of infrastructure and instruments
- Ensure that the deployed lightning detection sensing techniques or procedures are clearly documented.
- Monitor the quality of data retrieved from lightning detection sensing operations to determine whether procedural or equipment changes are necessary.
- Ensuring that the deployed lightning detection sensing technology complies with laws, regulations, or standards by implementing related policy and procedural guidelines.
- Providing guidance and expert advice to management or other groups on technical, systems-, or process-related topics.
- Engaging with people outside the organisation, representing the organisation to customers, the public, government, and other external source.
- Conduct research into the application or enhancement of lightning detection sensing technology.
- Identifying the educational needs of others, developing formal educational or training programs or classes, and teaching or instructing others.
- Attend meetings or seminars or read current literature to maintain knowledge of developments in the field of lightning detection sensing.
- Train Technical Service personnel in the use of lightning detection sensing technology.

Requirements:

- BSC/BEng/B-Tech Degree in Electrical Engineering
- ECSA registration or ECSA related Voluntary Engineering Body registered
- A minimum of 5 years' experience in the design, development and maintenance of processes. enterprise level software products
- A minimum of 4 years' management experience in the area of Maintenance development.

- Exposure to maintenance planning and support services
- Excellent knowledge of Microsoft Windows and Software Programming (C/C++/C#, Python, Java, Linux, etc.)
- Lightning Detection sensor, science and technology experience.
- Good communication, interpersonal and analytical skills are essential
- Must demonstrate a commitment to continuous learning, coaching and mentoring
- A valid code 08 driver's licence with own transport is essential

Please Note:

Enquiries for the above-mentioned positions must be directed to: Mr. Denny Maluleke, at Tel. (012) 367 6091.

Register as user on our website using this link: <https://www.weathersa.co.za/home/vacancies> to apply for the above position and upload your (Comprehensive CV with certified copies of qualifications).

Closing Date: 11 March 2022

Note: Recruitment Agency applicant submissions will not be considered

Preference will be given to People living with disabilities in line with SAWS EE targets. This is an EE position and preference will be given to females, Africans, Indians and Coloureds (AIC). Correspondence will be limited to short listed candidates only. Candidates who have not been contacted within 3 months after the closing date of this advertisement, please accept that your application was unsuccessful. The organisation reserves the right not to fill this position. The South African Weather Service is an equal opportunity employer.





Record Reference

HCM-ADVERT-LDN2022

