



VACANCY

REFERENCE NR	:	VAC00212
JOB TITLE	:	Mechanical Technologist
JOB LEVEL	:	D1
SALARY	:	R 531 759 – R 797 639
REPORT TO	:	Technical Lead: Data and Switching Centre Facilities
DIVISION	:	IT Infrastructure Services
Department	:	Network Services (SAPS)
LOCATION	:	SITA Centurion
POSITION STATUS	:	Permanent (Internal & External)

Purpose of the job

Management and supervision of the Data Centre facilities mechanical and HVAC infrastructure in the Head Office and Provincial Management domains to ensure optimal uptime. Ensure the general efficiencies of all mechanical systems including but not limited to: Chillers, Cooling Towers, Pumps, CRAC, AHU, BMS, and Chilled Water Supply Systems. The Mechanical Technologist will be involved in the development of complex mechanical and HVAC infrastructure from site assessments and concept design to green field construction and major modification of existing infrastructures on national capital projects.

Key Responsibility Areas

Prevent a site failure due to overheating. Manage cooling infrastructure upgrades. Perform effective contract management to manage a range of contractors' efficient services to SITA. Project management of Data Centre mechanical and HVAC infrastructure projects. Ensure effective management of resources (i.e. budget/finances, asset).

Qualifications and Experience

Minimum: National Diploma in Mechanical Engineering with seven(7) years working experience post qualification or Bachelor of Technology in Mechanical Engineering or higher with five(5) years working experience post qualification . An added advantage to the minimum requirements will be: CDFOM (Certified Data Centre Facilities Operations Manager). Course in JBCC. Government Certificate of Competency, as defined in the Occupational Health and Safety Act. Course in Project Management as an added advantage.

Registration as a Professional Mechanical Technologist with the Engineering Council of South Africa or Registration as a Professional Mechanical Technician with the Engineering Council of South Africa.

Experience : +5 years industry related mechanical and HVAC engineering experience which should include: Maintenance and operation of mechanical and HVAC plant in the area of complex ICT facilities or Critical mission facilities (such as Banks, Data Centres, Telecommunications network sites, or hospitals). Experience with (building) power system analysis and engineering. Experience in bidding, designing, operating, and commissioning of mechanical and HVAC system for ICT facilities from Chillers, Cooling Towers, Pumps, CRAC's, AHU and BMS Systems.

Experience with Data Centre operations including detailed comprehension of high availability systems . Experience with project management, product evaluation, vendor or customer management. Experience with reviewing estimates of material and labour costs for repairs, replacements, and improvements to ensure that repairs are addressed in a timely and cost-effective manner, on the mechanical and HVAC plant in the area of complex ICT facilities. Experience in working with mechanical systems, HVAC systems, simple controls, and electrical systems. Experience with basic operation and controls of electrical plant plant for medium to large installations.

Technical Competencies Description

Knowledge of: HVAC plant maintenance on chiller units, cooling towers, CRAC units, AHU units, direct expansion air conditioning units, and HVAC distribution systems. Disaster Recovery Planning and Implementation in terms of site cooling. Governance and Risk Management. Project Management. Large mechanical and HVAC installations operation, inspection and fault finding. Chiller plant operation and fault-finding Direct expansion air conditioner operation and fault finding. HVAC installation operation, inspection and fault finding. Data Centre Capacity Planning and Capacity Management. Contractor Management. Strong problem-solving and decision-making skills Strong written & verbal communication skills Risk Management. Knowledge on pumps, HVAC controllers, Fans, Filters, DX Coils, Chilled Water Coils, Actuators, Control Valves, Sensors and Expansion valves

Other Special Requirements

N/A

How to apply

Kindly send your CV to: Puleng.recruitment@sita.co.za

Closing Date: 21 October 2021

Disclaimer

SITA is an Employment Equity employer and this position will be filled based on Employment Equity Plan. Correspondence will be limited to short listed candidates only. Preference will be given to members of designated groups.

- If you do not hear from us within two months of the closing date, please regard your application as unsuccessful.
- Applications received after the closing date will not be considered. Please clearly indicate the reference number of the position you are applying for.
- It is the applicant`s responsibility to have foreign qualifications evaluated by the South African Qualifications Authority (SAQA).
- Only candidates who meet the requirements should apply.
- SITA reserves a right not to make an appointment.
- Appointment is subject to getting a positive security clearance, the signing of a balance score card contract, verification of the applicant`s documents (Qualifications), and reference checking.
- Correspondence will be entered to with shortlisted candidates only.
- CV`s from Recruitment Agencies will not be considered.
- CV`s sent to incorrect email address will not be considered