



SCI-BONO DISCOVERY CENTRE NPC

Tel: +27 11 639 8400 | Fax: +27 11 832 3360 | www.sci-bono.co.za
C/o Miriam Makeba & Helen Joseph Streets | Newtown | Johannesburg
PO Box 61882 | Marshalltown | 2107

Company registration: 2004/010183/08 | VAT no: 473 021 6290
PBO reference no: 930 014 449 | NPO Registration: 056-334-NPO

FACILITIES TECHNICIAN : HVAC TECHNICIAN PERMANENT

JOB PURPOSE

To locating and diagnosing maintenance problems on equipment, conducting warranty services and quickly performing emergency repairs on certain equipment items.

PRINCIPAL ACCOUNTABILITIES

- Installation of HVAC and Refrigeration units, including electronic and mechanical components
- Troubleshoot and repair HVAC units including electronic and mechanical components
- Install and repair electrical connections to HVAC components timeously,
- Install, inspect, maintain, modify, and repair a wide variety of heating, ventilating, refrigeration, and air conditioning systems, equipment, and controls
- Diagnose electronic, electro-mechanical, electrical, and mechanical malfunctions
- Make complex emergency repairs.
- Read, interpret, and work from blueprints, drawings, schematics, diagrams, sketches, and specifications.
- Learn characteristics of new systems and equipment of the heating and air conditioning trade and update skills to adapt to changing technology
- Follow oral and written instructions
- Work effectively and cooperatively with other personnel
- Keep accurate records
- Inspects, maintains, repairs and modifies hot water, high and low-pressure steam, and direct gas-fired heating, chilled water and direct expansion refrigeration and air conditioning, and ventilating systems, equipment, and controls, including pilots,
- Installs heating, ventilating, refrigeration, and air conditioning systems, equipment, and controls on new construction, alteration, improvement and rehabilitation projects.
- Read meters and gauges and records data such as temperature of equipment, hours of operation, fuel consumption, and temperature and analysis of fuel gases relays, coils, heating and condensate piping, controls, valves, compressors, fans, dampers, vents, blowers, pumps, burners, gauges, and traps.

BOARD OF DIRECTORS

Abbey Witbooi (Chairperson) | Dr Nandipha Madiba (Deputy Chairperson)
Prof Bongani Bantwini | Zeth Malele | Patricia Maloka | Adv Lentswe Mokgatle
Prof Khulekani Sitole | Godfrey Tsotetsi | Mashane Mphahlele | Prof Mfanelo Pat Ntsobi (CEO)



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- Reviews plans, blueprints, and specifications for heating and air conditioning projects to understand scope of projects and to recommend potential changes to supervisor.
- Answers trouble calls for emergency repairs to heating units, refrigeration, and air conditioning equipment timeously.
- Maintains heating and air conditioning hand and power tools and equipment to ensure their safe and efficient operation
- May assist in preparing material lists, estimating job costs, preparing job records, and maintaining an inventory of supplies and tools for assigned area/projects.
- May assist in planning and developing modifications to existing heating and air conditioning systems.
- May assign, review the work of, and provide training to personnel assigned to the unit in heating and air conditioning work.
- Effectively use test equipment, \Duties include performing skilled work in several of the mechanical or building trades which may include work in the mechanical, and electrical trades
- Performs related work as required
- Considerable knowledge of the tools, equipment, materials, methods, and practices of several of the mechanical or related trades.
- Considerable knowledge of the hazards and safety precautions of the trades.
- Ability to locate and identify malfunctions or deflections in equipment or apparatus and to make repairs.
- Ability to plan and supervise the work and instruct subordinate assistants.
- Ability to establish and maintain effective working relationships with management, staff, clients and maintenance personnel
- Check equipment and operating systems and correct wherever necessary.
- Ensure mechanical operations, standards and controls are maintained at high quality.
- Ensure high level technical support to lower-level technicians
- Show expertise in working with team and independently.
- Comply with company safety guidelines and procedures.
- Repair and perform preventive maintenance as per established standards.
- Use hand tools like power tools and rigging equipment daily.
- Weld using cutting torch and other welding, brazing and cutting equipment,
- Handle simple and complex heavy industrial equipment
- Comply with company and customer regulations and policies.
- Handle personal tools for job including up-to-date documented personal tool lists.
- Handle time accounting and complete work order.
- Work all shifts flexibly when job demand



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EDUCATION

- Matric
- Tertiary qualifications: N4, Diploma in HVAC and Refrigeration,
- Technical certificate N5 added advantage.
- Trade Tested Artisan

EXPERIENCE

- Trade Tested Artisan with 3-5 years in HVAC and Refrigeration, post qualification.
- Knowledge of Chillers, cooling towers and VRV's
- Knowledge/Understanding of Heating, Ventilation and HVAC Systems
- Computer literate
- Driver's license

KNOWLEDGE / SKILLS

- Problem-Solving Abilities. An HVAC technician must be able to identify a problem and fix it.
- Communication Skills.
- Time Management Skills.
- Comfort Working with Heavy Objects and Machinery
- Familiarity With Computers.

The Sci-Bono Discovery Centre is an equal opportunity employer. Interested and qualified candidates are invited to email or fax a concise CV to the: Human Resources Office recruitment.sci-bono@sci-bono.co.za with the Reference Number: REC/VR SCI-2023-19

Closing date: 20 October 2023

Disclaimer: Communication will be entered into with short listed candidates only.

Only CV's submitted with the correct subject line and by the Closing date will be considered.