



VACANCY

VACANCY	INSTRUMENTATION MECHANICIAN - REFINERY	DIVISION	MAINTENANCE : REFINERY
TYPE OF EMPLOYMENT	PERMANENT	CLOSING DATE	
GRADE	C-LOWER	19 NOVEMBER 2021	

PURPOSE OF THE POSITION

This position is accountable for:

- ✓ Repairs and maintenance of all industrial instrumentation within the Refinery Business Unit.
- ✓ The role holder will form an integral part in the execution of day-to-day field instruments work and the execution of planned field instruments maintenance.
- ✓ The instrumentation mechanician will be account to the Foreman: Electrical & Instrumentation.
- ✓ The role holder will be required to work rotational stand-by with other instrumentation staff to cover the Refinery/Service Yard business unit.

MINIMUM QUALIFICATION

- ✓ Preference will be given to a candidate that has an N3 or equivalent with a recognised trade test certificate in Electrical Engineering or Instrumentation.
- ✓ Preference will be given to a candidate who has completed a national diploma or higher in electrical engineering or process control engineering.

SKILLS AND ATTRIBUTES

- ✓ Focus on results through quality and safety awareness, managing work, planning, and organising, decision making and customer focus.
- ✓ Express potential through adaptability, applied learning, initiating action, innovation, impact and work standards.
- ✓ Interact effectively through communication at all levels, building relationships, negotiation and gaining commitment.
- ✓ Achieve goals by aligning performance for success, developing others, facilitating change, inspiring others, information monitoring, meeting leadership and participation and follow up.

- ✓ Express potential through adaptability, applied learning, initiating action, innovation, impact, and work standards.
- ✓ Interact effectively through communication at all levels, building relationships, and gaining commitment.
- ✓ Communicate effectively to relevant people with regards to any maintenance information (verbal, listening, writing, and reading).
- ✓ Ability to work with other colleagues to build relationship and teamwork.
- ✓ Able to meet deadlines and targets.
- ✓ Relevant and useful analysis of data.
- ✓ MS Office Package-Computer literate-SAP and MS office and MS Outlook.

KNOWLEDGE AND EXPERIENCE

- ✓ Preference will be given to a candidate with a minimum of 3 – 5 years working experience in the industrial instrumentation field with a manufacturing/chemical processing plant.
- ✓ A good understanding of the processes in relation to Asset Care/Maintenance of the plant equipment performance and administration.
- ✓ In-depth knowledge of industrial field instrumentation operation and applications including associated maintenance thereof. (Instrument's selection, control valve sizing and selection, process control systems, advanced field networks, and process control networks and equipment).
- ✓ Basic knowledge of PLC and PLC programming including troubleshooting and fault-finding.
- ✓ In-depth understanding of smart instrument configurations.
- ✓ Basic knowledge of SCADA and Siemens S7 PLC.
- ✓ Basic knowledge of SCADA databases and mimics.



- ✓ In-depth knowledge of ISO calibration of instruments.
- ✓ Ability to read and interpret drawings
- ✓ Ability to identify and proactively address industrial instrumentation faults.
- ✓ Basic knowledge and adherence to the permit to work system.
- ✓ Basic knowledge of HAZOP studies and Management of Change (MOC) protocols.
- ✓ Basic knowledge of process control systems and P&ID loops.
- ✓ In-depth knowledge and understanding of instruments diagrams, P&IDs and PFDs.
- ✓ Basic knowledge of PROFIBUS.

MAJOR RESPONSIBILITIES

- ✓ Ensure that all industrial instrumentation and related process control systems are maintained, and plant reliability is optimised – eliminate equipment downtime and speedily address any occurrences to minimise plant downtime.
- ✓ Working with projects to ensure that all new projects are done in accordance with existing specification and best practices in as far as electrical and instrumentation work is concerned.
- ✓ Maintenance and monitoring of field instruments and related process control systems and improvement of plant availability and reliability.
- ✓ Maintenance of ancillary interface equipment installed.
- ✓ Reliability Specialist – give support to all incident investigations as may be necessary.
- ✓ Execute industrial instrumentation planned maintenance within specified time and give feedback to foreman.
- ✓ Promptly attend to any industrial instrumentation and related process control systems breakdowns and callouts.
- ✓ Conduct work within acceptable quality to improve plant availability and reliability.
- ✓ Manage all maintenance work orders issued to you on time to ensure that weekly and monthly KPIs are met.
- ✓ Assists in cost reduction initiatives by reducing waste and improving efficiencies.
- ✓ Compilation of own PDP in conjunction with line manager.
- ✓ Attend training interventions as per approved PDP.
- ✓ Ensure that disciplined in line with the company's code of conduct.
- ✓ Giving direction to assistants as may be required by your Foreman.
- ✓ Ensuring that all unsafe conditions are reported on time to prevent any incidents or accidents.

- ✓ Completion weekly work orders (PM03) on time and give feedback.
- ✓ Execute all work within expected levels of quality.
- ✓ Participate in Risk Assessments based on external and internal influences.
- ✓ Participate in any inspection or audit as may be required.
- ✓ Monitor and share company-wide similarities/learning opportunities.
- ✓ Attend all statutory training as may be determined from time to time.
- ✓ Ensure compliance with any instruction given with regards to Occupational Health and Safety.
- ✓ Ensure compliance with the permit to work system as well as other related protocols.
- ✓ Comply with and ensures that all health and safety rules are met and acts pro-actively by addressing any safety concerns which may be harmful to self or other employees.
- ✓ Ensure compliance with statutory requirements.
- ✓ Ensure that good housekeeping is always maintained while executing your duties.
- ✓ Maintain a high level of workmanship.
- ✓ Assists in cost reduction initiatives by reducing waste and improving efficiencies.

SALARY

- ✓ Salary and benefits will be negotiated in line with relevant experience and qualifications.

APPLICATION PROCESS

- ✓ Applications are to be submitted in writing on the approved internal vacancy application form, (CV's may be attached) and forwarded to Giff Hlongwane, giffh@gold.co.za, HR Department.
- ✓ Kindly provide proof of qualifications and experience.
- ✓ Consideration will be given to the Rand Refinery employment equity policy as part of the selection process. Please note that should your application be unsuccessful; you will be notified in writing.