

PRINCE NHIGO

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PERSONAL PROFILE

Industrial Maintenance Technician|3+ years of experience in installing, testing, and maintaining electrical and mechanical systems. Expertise in both mechanical/electrical designs and specifications for new system designs. An expert, dynamic, and highly motivated person with a solid track record of learning quickly, adapting easily, working systematically and accurately, and striving for excellence in everything I do.

SKILLS

ELECTRICAL AND INSTRUMENTATION SYSTEMS MAINTENANCE AND REPAIR

- Electrical troubleshooting and electrical wiring (control wiring and motor controls).
- Able to use Digital Multimeters for electrical troubleshooting/fault analysis, Process Calibrator for adjusting output parameters on field instruments, HART for calibrating pressure and flow transmitters, soldering gun, and heat gun.
- Able to interpret electrical/instrumentation diagrams and generate electrical diagrams using AutoCAD Electrical.
- Machines diagnosed for electrical faults; Rock Polishers, Rock saw-cutters, Water purifiers, Laboratory equipment, and so on.

MECHANICAL SYSTEMS MAINTENANCE

- Using the acquired mechanical skills to repair and maintain all machines and mechanical systems in the plant.
- Work effectively under pressure.
- Able to interpret mechanical drawings and mechanical software like AutoCAD.
- Proficient in using hand tools (grinders, drilling machines, spanners, and screwdrivers), welding machines, and heavy-duty machines for drilling.

HYDRAULIC AND PNEUMATIC SYSTEMS MAINTENANCE

- Servicing hydraulic systems including hydraulic pumps, cylinders and changing of hydraulic oil in all hydraulic systems.
- Servicing Actuators, Pneumatics cylinders, and solenoid valves.
- Installation of pressure lines and water lines.

TEAMWORK

- Strong teamwork abilities gained from working with many different types of individuals in a variety of settings, such as the office and the field.

EDUCATION

Chinhoyi University of Technology (2016-2020)

Degree: Bachelor of Engineering Honours Degree in Mechatronics

Major: Instrumentation

WORK EXPERIENCE

2021-Current Maintenance Technician/Engineer Silica Mining Consumables, Zimbabwe

Responsible for installing, maintaining, and troubleshooting all mechanical, electrical, hydraulic, and pneumatic systems to reduce the downtime of machines. Developing and implementing a preventive maintenance program to ensure regular servicing to extend the life of machines and reduce maintenance costs. Checking that all work is done in line with all safety, health, and environmental requirements. Also advising machine operators and plant manager on proper handling of machines.

Duties:

- Basic programming for utility information systems; programs with ladder logic and relay logic; runs PLCs, RTUs, and associated inputs/outputs; operates VFDs; and does telecommunications networking.
- Repaired and tested various types of Automation systems including pneumatic, hydraulic, and electric controls
- Carrying out all new project work, design, installation, and maintenance work.
- Responsible for all mechanical and electrical tasks relating to maintenance.
- Carry out routine equipment maintenance and make on-site repairs as needed.

2019 Electrical, Instrumentation, and Control (Internship) Greenfuel, Chisumbanje ethanol plant, Zimbabwe

Worked under supervision performing maintenance duties for electrical/instrumentation and pneumatic systems. Responsible for assisting in cable wiring for sensors and low- and high-voltage motor drives. Assisting in panel wiring and network wiring. Most of the duties performed are listed in the attached reference from Greenfuel.

REFERENCES

Employers' reference: Vitalis Munyoka (Maintenance Supervisor at Silica Mining Consumables)
Contact #: +263775694132, Email: veemunyoka@gmail.com

Personal reference: Dr D. Simango (Chairman of the Department of Mechatronics, Chinhoyi University of Technology, Private Bag 7724 Chinhoyi Zimbabwe, Contact #: +263 77 304 7118, Email: doubtsimango@gmail.com or dsimango@cut.ac.zw)