

RESUME FOR WILSON BACHI

OBJECTIVE

A diverse knowledge of electrical engineering functions with modern maintenance using engineering basics...including PLC analysis, total productive maintenance and root cause analysis. Reduced plant downtime due to a wealth of experience in most Electrical disciplines and ICT equipment.

Dedicated	Team Player	Client Relations
Job Safety Analysis	Decision Making	Conceptual Thinking
Strong Leadership	Strong faulty diagnosis	Ready to Learn

Electrical and Electronic Engineering Technician Diploma
NQF4 Electrical Engineering Certificate
Trade Tested Electrician: Manpower Development -: P and T Technology
Working Environment Management and Applied Economics: HIT - Certificate
Protection and Control: Alstom South Africa - Certificate
NQF6 Information Technology
CCNP Route industrial Networking – PLCs

Professional Experience

Position	Instruments and Electrical Technician
Company	CBW Electrical and Refrigeration
Period	5 Feb 2018 to date

Electrical Projects

- o Worked on Electroplating project (Automate, Instruments and power)
- o PLCs – troubleshoot, repair and maintain Drives and PLCs circuits
- o Automation instruments fitting and maintenance and repairs
- o Build and repair Electrical circuits on diagram or specifications
- o Water Heaters and Chillers maintenance
- o Kitchen and bakery equipment repairs and maintenance
- o Lighting design and installation
- o Freezers and cold room maintenance
- o Working knowledge on single, 3 phase and DC equipment
- o Rig and Install radio communication equipment

Position	Automation and Electrical Technician
Company	Adventure Power
Period	3 Aug 2015 – 15 Dec 2017

Wind turbine manufacturing: (Electrical and Instrumentation)

Tasks and responsibilities

- o Prepare and Edit Control and power diagrams general interpretation of diagrams
- o R&D regarding current Wind Turbine components
- o Risk assessment for climbing Wind Turbine Gantry
- o Procedure in commissioning wind turbine
- o Safety standards and procedures for starting, operating and stopping a Wind turbine
- o Recording and Filing for all wind turbine Electrical activities
- o Training junior Technicians on all Electrical aspects for wind farms
- o Program Bonfiglioli drives using Vectron plus software
- o Program KollMorgan drives using KollMorgan Workshop software
- o Build PLC and Pitch panels for controlling the Wind Turbines
- o Power Reticulation for the Turbine
- o All communication to the turbine and for the turbine system (CAN/ Ethernet)
- o Understand PLC and SCADA system for the Turbine.

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- Remote communication and control using associated software and LAN
- Calibrating Weather stations and other equipment
- Troubleshoot PLC related faults on Turbine and VSDs
- Troubleshoot SSCs (Rectifiers and Inverters)
- Draft Bill of Materials to be used on each Turbine project
- Cable sizing and cable enclosures selection
- Assist Engineer in scheduled tasks
- Setting up network and communication equipment configurations

Professional Experience

Company	Laman Pty – Eastern Cape
Position	Electrical Coordinator
Period	September 2012 – July 2015

Duties carried out as Electrical Coordinator

- Repair Sandvik Crushers and Drill rigs
- Repairing mobile crushing plant Sandvik CM4800; 1208i
- Reading Diagrams, Preparing day end reports and ad hoc reports
- General plant maintenance and calibration of equipment
- Repairing mobile crushing plant Sandvik QH330, VSI, QJ340
- Involved in construction of Sandvik Laman crushing and screening plant
- Troubleshoot and maintain PLC Controlled brick moulding plants.
- Commissioning State of the art Crushing Plant PLC S7 300
- Siemens, VLT and Mitsibishi Drives and soft starters knowledge
- Allocating duties to Electrical team, supervise and coordinate its operations.
- Buying Spares for all the plants and scheduling maintenance.
- Liaise with user departments for machines availability
- Attending weekly update meetings with maintenance manager
- Advise and recommend all to do with electrical to management
- Training all electrical trainees
- Standby duty official to coordinate and control all activities for all plants
- Installation of Siemens S7 300 PLC controlled Quarry Plant and on-going maintenance

Company	End To end Projects
Position	Electrician (Instruments and Automation)
Period	August 2011 – July 2012 (End of Contract)

Duties carried out for Electrical (on contract to build Acid plant and Electro-winning plants)

Mutanda Mine is a copper mining company which has a very huge copper production electro winning section, with vast power equipment

- Attended to drill rigs and LHD faults underground
- Flameproof and corrosion proof installations
- Installations of electro winning equipment following provided diagrams
- General Cable termination in MCC and field
- HT termination at transformers and distribution points and HT jointing
- Installation of:-transducers, transmitters, final control elements and recording devices
- Temperature- Thermistors, strain gauges, thermocouples, rtd
- Level-magnetic float, ultrasonic, capacitive, pressure and weight measurement for level
- Flow- rotating piston, turbine, electromagnetic, nutating disk, vortex and variable area meters
- Force/weight-strain gauge, lever balance, electronic scales

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- Dosing pumps installation, repair, and general maintenance
- Air and nitrogen compressors repairs and maintenance
- Lighting distribution
- General plant maintenance and calibration of equipment
- Training of Locals
- Earthing
- Commissioning of The Acid Plant

Company	Plantech P/L
Position	Technical sales person, IT support technician
Period	May 2008- Aug 2011
Reason for Leaving	Interested in new experience

Duties

- Reconciliations on stocks, sales and supplies
- Preparing quotations and purchase orders
- Data Capturing and use of Microsoft excel, and word
- Work preparation and requirements list population
- Coordinating and supervising of crew on site.
- PJ Technologies software use for energy calculations
- Strike Technologies software use on energy management
- Technical advice on energy management, and capacitor bank calculations
- Reading Diagrams, Preparing day end reports and ad hoc reports
- Work scheduling and gant-charts preparation
- Switching HT, HT termination and jointing

Company	National Printing and Packaging
Position	Technician / Eng. Supervisor
Period	May 2006-April 2008
Reason for Leaving	Moved on to better package

Duties

Industrial Printing

Planned maintenance, fault diagnosis and repairing most printing and packaging machinery: DD2 Roland, Roland 600, CD102 Heidelberg, and WEB printing machines: Nebiolo, MAN, etc.

Flow transmitters – switches

Pressure transmitters – switches

Temperature controllers, thermocouple and RTD

Air conditioning maintenance and repairs. Centralized chilling maintenance; carrier

Shift work

Shift work on origination and printing and packaging machinery

Training apprentices

Supervision

Supervising engineering personnel (15 people)

Reporting to General Manager in everyday morning briefing and represent Engineering Department in meetings

Prepare budgets and proposals for the Engineering Department

Requesting spares purchases to Buying office

Advising and recommending engineering advice to management

Company	Trojan Mine
Position	Electrician
Period	April 2002-May 2006
Reason for Leaving	Company was closing down operations

Duties

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Underground Machinery and Equipment

Installation, maintenance and trouble shooting of underground equipment: Goodman electric locomotives, Rigs, Fans, Cranes, Service winders, Winches, Rock hoists, Pumps, etc.

Concentrators equipment; Crushers, mixers, screens, mills and control circuits

Mining Equipment

Maintenance of auxiliary mining equipment: Compressors, Ball mills, Transformers, etc.

Cable Jointing and Termination

Up to 33kV cable jointing and termination, indoor and outdoor

Company	Zimleaf Tobacco
Position	Trainee Technician / Electrician
Period	May 2000-April 2002
Reason for Leaving	Completed training and was on temporary basis

Duties

Basic water heater circuits for commercial heaters, temperature controllers RTDs, thermocouples and pressure controllers., cold room and freezer circuits maintenance and repairs.

Variable Speed Drive

Installation, maintenance and programming: Mitsubishi & L.G, Yaskawa & GPD

Trouble shooting using drives

PLC

Read and understand PLC ladders, SCADA systems and industrial automation.

Trouble shooting using PLC and general maintenance associated with PLCs.

Editing ladder logics

Shift Work

Be on shift work for a tobacco processing, from feeder to packaging and storage

DC drives troubleshooting, photocells, inductive and capacitive sensors

Strapping machines for tobacco packaging

Lighting

Project on lighting of staff changing room and ablution block

Electric Motors

Overhauling and maintenance of AC and DC electric motors

Design, wire, install, maintain and fault diagnosis on AC and DC motor starters

PERSONAL DETAILS

Passport Number	DN380807
Drivers Licence	09666J
Gender	Male

REFEREES

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