

Hermanus Phillippus Potgieter

- **Quality Inspector/Quality Assurance**
- **Supervisor**
- **Qualified Red Seal Structural Plater/Maintenance artisan**
- **Welder**

Contact Details

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Profile

- More than three years quality inspection/assurance experience in the mining industry which includes: verifying drawings, vendor/supplier visits, duplication management, RECO process, SAP MM etc.
- More than five years supervisory/foreman(Charge Hand) experience in plant maintenance and in fabrication at mining leader Anglo American.
- More than eight years' experience as maintenance artisan in commodities which include coal, platinum and iron ore.
- More than three years' experience as field work artisan as metal worker were jobs include borehole inserting and extracting, pipeline installation and repairing, sand filter system maintenance, submersible pump installation.
- More than five years' experience as metal fabricator in an engineering workshop, this includes designing, overhead crane operation, working on engineering workshop equipment, forklift operating. Completion of jobs where captured on SAP to make sure allowed hours per job were followed.
- Completed a three year apprenticeship as metal worker/welder at the Mining Industry Engineering Trades Training Board (M.I.E.T.T.B.), which were the highest authority at the time.



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Education & Qualifications

- Thabazimbi High School – Grade 12
- Qualified Red Seal Structural Plate Worker/ Welder
- Technical N4 – Mathematics
 - Engineering Science
 - Mechano Technics
 - Mechanical Draughting
- Conduct Outcome-Based Assessment
- Safety Officers Certificate
- Management Principles for Line-Managers
- Programme in Business Management

Training

- Risk Assessment.
- Working at heights.
- Confined Spaces.
- Lock-out Procedures.
- Stored Energy.
- Rigging.
- SHEQ.
- Bearing handling and failure analyses.
- Microsoft Office – Outlook, EXEL, MS Word, MS Windows.
- First Aid.
- Practical Supervision.
- Personal, Interpersonal and Professional Leadership.
- SAP.
- ISO regulations.

RECO:

In the MRO environment (Maintenance, Repair and Operations), capital equipment have reconditionable (**RECO**) and rotatable spare parts that, according to its maintenance schedule or complete failure, can be sent for repairs or replaced with another part. Technical evaluation and repair costs are some of the variables required to establish commercial viability of repair or outright purchase of a new part.

SAP

SAP system comprises of a number of fully integrated modules, which covers virtually every aspect of the business management.



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SAP MDM:

This is a software package that manages master data and enables detailed reporting capabilities in term of usage and trends according to materials, services and vendors.

SAP MM

SAP MM module is a part of logistics and it helps in managing end to end procurements and logistics business process. The main features you can find in the MM module are requisitions, purchase orders, goods receipt, accounts payable, inventory management, BOM's and master raw material, finished goods etc.

SAP PM

The **SAP R/3 Plant Maintenance (PM)** module is the application component that provides a comprehensive software solution for all maintenance activities that are performed within a company.



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Experience

January 2013 – Current

Kumba Iron Ore Mine – Kolomela Mine; Anglo American; Town of Postmasburg South Africa.

<http://www.angloamericankumba.com/>

Quality Inspector/Quality Assurance

- Conduct Risk assessment with physical jobs.
- Identify duplicates, by doing a comparison on both SAP MM and SAP MDM.
- Measuring quality of equipment.
- Examine the quality of the equipment for defects. Inspect if the correct equipment was delivered, as well as deviations from drawings and other discrepancies.
- Ensure the correct delivered equipment is documented under the correct Kumba identification number.
- Inspect reconditioned equipment before it is send away for repairs as well as on returning from the RECO process.
- Spot overpricing in many of the equipment received, in which case we communicate with the buyer and the contracts department to investigate the reason, or to explore new companies.
- If tests are performed I manage inventory efficiency.
- Visit vendors(site inspection), especially in the case of RECO items to ensure they comply with mine standards, and to verify if the scope of their contract are met as precisely as possible.
- Intensive and detailed technical quality inspection enabled with integrated wireless bar-coding and scanning technology (scanner) linked with SAP Material Management which in turn is linked to SAP Master Data Management (SAP MDM).
- Leading small projects.
- As quality inspector I am the direct link between supply chain and end users ex: -mining - engineering, -production teams etc...
- I work on SAP MM daily and also have some SAP PM experience.



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November 2007 – January 2013

Anglo Platinum/African Rainbow Minerals Joint Venture – Modikwa Platinum Mine; Town of Burgersfort South Africa.

http://www.arm.co.za/b/platinum_modikwa.php

Supervisor Charge Hand & Maintenance/Fabrication - Steel Worker

- Charge hand for both electrical and steelwork department, including:
 - Managing of the section when the foreman was unavailable at any time ex.
 - Permission of time-off and leave of co-workers if supervisor is not available.
 - Schedule work teams for maintenance jobs and breakdowns if supervisor is not available.
 - Managing contractors in foreman's absence.
 - Safety file system.
 - Manage Lock-out locks of all plant personnel, including contractors.
 - Ordering of general equipment.
 - Ordering of plant maintenance equipment.
 - Organise contractors for shut downs.
 - Administration for the foreman.
 - Running of all office work.
 - Manage quotations by asking for quotations and follow up on quotes.
 - Filing and record keeping on both the hard drive and hard copy of safety file.
 - Safety file management including Task observation, Planned task observation, Safety topics, Toolbox talks.
 - Receiving of all the equipment that was delivered.
 - Short term and medium term planning.
 - Working on SAP modules.
- Conduct Risk assessment, with re-assessment if jobs change.
- Welding methods:
 - GMAG - **Gas Metal Arc Welding** also known as MIG(**Metal Inert Gas**).
 - GTAW – **Tungsten Inert Gas Welding**.
 - SMAW – **Arc Welding**.
 - Gas Welding – **Oxygen and Acetylene Gas Welding**.
 - Brazing – **Oxygen and Acetylene Gas**.
 - Silver Solder – **Oxygen and Acetylene Gas**.
- Plasma cutting in various metals.
- Fabrication of machine guards.
- Oxygen/Acetylene cutting.
- Pipe work – manufactured mainly with Curv-o-Mark equipment:
 - Bends to any degree.
 - T-pieces.
 - Sweep – T.
 - Y- pieces.



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- Pipe reducers.
 - Lobster bends.
 - High Pressure Pipes.
- The pipes were connected with flanges and clamps. Some pipes were high pressure.
- High pressure pipes were regularly fabricated with mainly 1000/3; 1600/3; 2500/3 and 4000/3 pressure ratings, which is the South African Bureau of Standards.
- Plate work – manufacture:
 - Chutes.
 - Hoppers.
 - Liners – flat -and lip liners.
 - Panels etc.
- Steel structures – manufacture:
 - Angle iron frames.
 - Beam column.
 - Support structures.
 - Channel frames.
- Maintenance included:
 - Conveyer constructions.
 - Installing lip liners and other liners in chutes.
 - Silo chutes.
 - Feed hoppers.
 - Install grizzly liners in feeders.
 - Conveyor take-up structures and weights.
 - High-pressure pipes .
 - Platinum and chrome mills.
 - Floatation pipes.
 - Chemical area welding.
 - Replacing of suspension joints on high pressure tailings pipes.
 - Handrails.
 - Air grating walkways.
 - High pressure filtration(LAROX) machine.
 - High pressure pump pipelines.
 - Cyclones.
 - Filter boxes.
- Working in confined spaces.
- Part of my area of responsibility included the chemical treatment plant where I conduct welding and flame cutting which include special permits from the engineering manager.
- Welding in confined spaces with LINATEX(rubber) lining which include a special permit from the production coordinator.
- I have also done:
 - Construction.
 - Design.



- Plate lay-out.
- Drawing.
- Gouging.
- Skid steer loader operation.
- Forklift operation.
- Overhead crane operation.
- Pressure vessel welding.
- Rigging.
- Engineering workshop manufactured jobs.
- Erecting of carports.
- Profile Cutting.
- Angle grinder.
- Bench grinder.
- Bench drill.
- Impact handling.
- Jack hammer handling.
- Standby duties.
- Overtime.
- Breakdowns.
- Planning, Organising, Leading, Controlling of shutdowns in terms of man hours per job, material needed and to organise contractor assistance in case of specialised jobs.
- Unplanned Shutdowns.

April 2003 – November 2007

Tshikondeni Coal Mine – EXXARO Resources; Town of Tshikondeni South Africa.

<http://www.exxaro.com/index.php/where-we-operate/coal/tshikondeni/>

Fabrication/Maintenance Steel Worker

- Conduct Risk Assessment, with re-assessment if jobs change.
- Self-directing artisan team reporting directly to Middle Line Management.
- Maintenance of coal processing plant which includes:
 - Granulator crusher – Change rings, shafts and bearings.
 - Cyclones.
 - Pumps – Pipework, change impeller, expeller, seals etc.
 - Conveyor Take-up structure and weights.
 - Conveyer systems.
 - Change conveyor idler frames.
 - Install liners in chutes.
 - Change Gearboxes.
 - Bearings.
 - Conveyor Idlers.



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- Coal stackers.
- Floatation cells.
- Pulleys.
- V-belts.
- Silo chutes.
- Feeders.
- Screens.
- Centrifuge.
- Conveyor magnet belt.
- Installing vibrating motors.
- Magnetic separator.
- Maintenance outside the plant included:
 - Sand filter system for drinking water.
 - Submersible pump installation and extracting.
 - Pipelines.
 - Town maintenance – Town belonged to EXXARO.
 - Fabrication of cat ladders and walkways.
 - Help in main mine workshop to maintain and refurbish underground mining machinery after specified time frame.
- Welding on mining equipment including detailed preparation beforehand including heavy duty welding on underground machines such as Voest Alpine machines.
- Welding Methods:
 - GMAG - **Gas Metal Arc Welding** also known as MIG(**Metal Inert Gas**).
 - GTAW – **Tungsten Inert Gas Welding**.
 - SMAW – Arc Welding.
 - Gas Welding – Oxygen and Acetylene Gas Welding.
 - Brazing – Oxygen and Acetylene Gas.
 - Silver Solder – Oxygen and Acetylene Gas.
- Plasma cutting of various metals.
- Fabrication of machine guards.
- Oxygen/Acetylene cutting.
- Pipe work – manufactured mainly with Curv-o-Mark equipment:
 - Bends to any degree.
 - T-pieces.
 - Sweep – T.
 - Y- pieces.
 - Pipe reducers.
 - Lobster bends.
 - High Pressure Pipes.
- Plate work – manufacture:
 - Chutes.
 - Hoppers.
 - Liners – flat and lip liners.



- Panels etc.
- Steel structures – manufacture:
 - Angle iron frames.
 - Beam column.
 - Support structures.
 - Channel frames.
- Installation of Jaw Crusher.
- I have also done:
 - Construction.
 - Design.
 - Drawing.
 - Air Gouging.
 - Skid steer loader operation.
 - Forklift operation.
 - Overhead crane operation.
 - Pressure vessel welding.
 - Rolling.
 - Engineering workshop manufactured jobs.
 - Profile cutting.
 - Erecting of carports.
 - Plate guillotine.
 - Cropper(Punching of holes)
 - Angle grinder.
 - Bench grinder
 - Bench drill.
 - Impact handling.
- Install new conveyor belts on conveyor structures.
- Install and maintain handrails and walkways.
- Erection on steel structures.
- Handle break downs.
- Standby duties.
- Prepare for shutdowns in term of Planning, Organising, Leading, Controlling of material, equipment and man hours for shutdowns.
- Unplanned shutdowns.

November 1997 – April 2003

Groottegeluk Coal Mine – Exxaro Resources; Town of Ellisras South Africa.

<http://www.exxaro.com/index.php/where-we-operate/coal/groottegeluk/>

Fabrication and Layout steel worker/Welder in fabrication workshop

- Conduct Risk Assessment with re-assessment if jobs change.



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- Planning, Organising, Leading, Controlling of job planning regarding man hours per job and material that will be needed including steelwork and welding.
- Specialised manufacturing in the engineering workshop include:
 - Fabrication and welding of Komatsu 730E(200ton) buckets from complex drawings.
 - Assemble and welding of 220 ton Euclid buckets.
 - Fabrication of boom and dipper arms from drawings as well as from examples for damaged O&K machines.
 - Fabrication of O&K rock breaker casings.
 - Fabricate buckets for front end loaders such as CAT(TLB) machines.
 - Cones up to 3 meters high with material thickness of 16mm with hydraulic plate roll machine.
- Plate work – manufacture:
 - Chutes.
 - Hoppers.
 - Liners – flat and lip liners.
 - Panels etc.
 - Radial doors.
- Pipe work – manufactured mainly with Curv-o-Mark equipment:
 - Bends to any degree.
 - T-pieces.
 - Sweep – T.
 - Y- pieces.
 - Pipe reducers.
 - Lobster bends.
 - High Pressure Pipes.
- Steel structures – manufacture:
 - Angle iron frames.
 - Beam column.
 - Support structures.
 - Channel frames.
 - Launderers where angle iron are rolled to a radius.
- Specialised welding jobs include:
 - The welding of P&H and DEMAG shovel buckets.
 - Welding of hard metals such as Hot Rolled, Roller Quenched and Tempered Structural and Pressure Vessel Steel Plate.
 - Welding of different wear plates needing intensive preparation.
 - Welding of grizzly bars.
 - Hard facing.
- Welding Methods:
 - GMAG – **Gas Metal Arc Welding** also known as MIG(**Metal Inert Gas**).
 - GTAW – **Tungsten Inert Gas Welding**.
 - SMAW – Arc Welding.
 - FCAW – Flux Cored Arc **Welding**.



- Gas Welding – Oxygen and Acetylene Gas Welding.
 - Brazing – Oxygen and Acetylene Gas.
 - Silver Solder – Oxygen and Acetylene Gas.
- Plasma cutting of various metals especially stainless steel.
- Wrapping of magnetic separator if outer plate is worn out.
- Oxygen and Acetylene cutting.
- Pipes joined in flanges and clamps. Many pipes were high pressure pipes.
- Rigging include the picking up and turning of Komatsu 730E(200ton) buckets with a 90ton overhead crane for welding purposes.
- I have gained other experiences in the Boilermaker engineering Workshop.
 - Bending.
 - Construction.
 - Cutting(Guillotine).
 - Design.
 - Drawings.
 - Plate Lay-out.
 - Gouging.
 - Skid Steer operation.
 - Forklift operation.
 - Overhead crane operation.
 - Pressure vessel welding.
 - Punching(cropper).
 - Rigging.
 - Plate Rolling.
 - Engineering workshop manufactured jobs.
 - Profile cutting – Oxy/Acetylene equipment.
 - Straight line cutting machine – Oxy/Acetylene equipment.
 - Erecting of carports.
 - Bench Grinder.
 - Plate nibbler for chamfering of plate edges.
 - Various power tools ex. Hand Drill, Angle Grinder, Metal Cutter etc.
 - Bench Drill.

Family

Wife: Myrna Potgieter.

Age: 34 years old.

Child 1: C.P.Potgieter.

Age: 13 years old.

Child 2: Zanté.

Age: 12 years old.



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