



Volt Amp Technologies

2025

# COMPANY PROFILE



## Volt Amp Technologies

### Volt Amp Technologies (Pty) Ltd

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✉ info@voltamptech.co.za

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📍 **Head office**

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Rustenburg 0300

📍 **Branches**

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**Johannesburg**

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Midrand, 1685

**Meyerton**

Stand 35, 18 Pelikaan, Meyerton Farms

🌐 [www.voltamptech.co.za](http://www.voltamptech.co.za)

DESIGN | MANUFACTURING | REPAIRS | INSTALLATION | SERVICES

TRANSFORMERS | MANIATURE SUBSTATIONS | KIOSKS

ELECTRICAL CONTROL PANELS | MOTORS | PUMPS

MCC | SITE SERVICES (24/7) | TRAINING

B-BBEE Level 1

CIDB Level PE 4EP

Training Centre - EWSETA

Accredited WA4378

## PARTNERS

**[MIDEL®]**  
SAFETY INSIDE  
MIDEL SERVICE PARTNER

**THUTO KE MATLA**  
Training Academy

 Nanjing Electric HV Bushing Co., Ltd

**Schneider**  
Electric

## Key Clients (Direct)



## Clients (Sub Contract)



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To be the trusted power solutions partner in the engineering, design, manufacturing, repairs, testing and maintenance sector.

### - Our Vision

To provide quick and comprehensive technical solutions, of the highest quality, safety, reliability and that are cost effective, to our clients.

### - Our Mission

#### **Respect:** Tlhompho

Respect for our fellow employees, Working space, Equipment and Customers

#### **Excellence**

In the services and products, we offer as well in our daily running.

#### **Innovation**

In the methods or ways we provide our services to consumers

#### **Vision:** Ponelopele

#### **Dedication:** Boineelo

In our performance

#### **Teamwork:** Tirisanommogo

In attaining the organisational goals

#### **Accountability**

Holding ourselves and each other liable.

### - Our Company Values



We are a MIDEL service partner - specialising in retrofilling - replacing mineral insulating fluid with MIDEL in existing transformers, reducing risk of fire, environmental contamination, demonstrating social responsibility, increase transformer life and reducing operating expenses.



We are a distributor of HV bushing for Nanjing Electric HV Bushing -range up to 1000kV. Certain range of these bushing is Eskom (NTCSA) approved.

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**Site Services - Available 24/7**

# INTRODUCTION

ESTABLISHED IN 2018

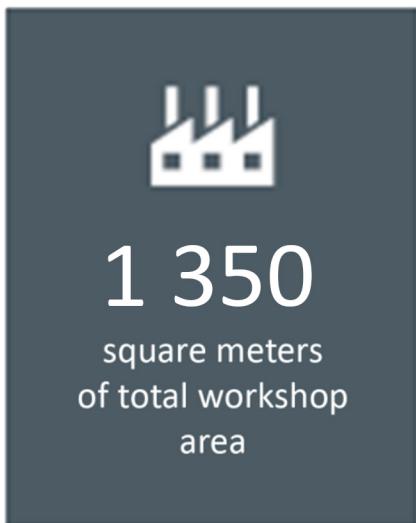
Volt Amp Technologies provides engineering, design, manufacturing, repairing and installation solutions to industries, mines and municipalities.

Over the past two years in operation, the company has provided quality services and products to its customers, growing to become a dependable solutions partner and growing as a brand, known for its flexibility, quick turnaround time and consistency.



Volt Amp Technologies





## OUR PRODUCTS AND SERVICES

### Transformers

Manufactures and repairs of oil and dry type for mining, municipalities and industry applications

### Miniature Substations

Transformers and Miniature substations. (Council and mining application)

### Gully Boxes and Power Distribution Boxes

### Electric Motors

Repairs and Sales of AC/DC/Vibrators/Alternators

### Pumps

Repairs and Sales of submersible and end suction and centrifugal units

### Panel and Kiosks (Approved Schneider Panel Builder)

Manufacture of all types of electrical panels and kiosks and purpose designed panels

### Site service 24/7

Condition monitoring, oil purification, oil regenerations and turnkey projects

### Skill Development and Training Electrical Apprentices

### Steel Supply / Fabrication

Structural Fabrication and Erection. Engineering, Machining and Industrial Supplies. Platework. Conveyor belt tracking products. Mechanical Installations

### Generators

Servicing, Refurbishment and Refuelling

### MCC

Design, Manufacturing and Supply

### Other products and services

Welding, Fabrication, Sandblasting, Painting

### HV Bushing

Up to 1000kV. Certain sizes are Eskom (NTCSA) approved



## ENGINEERING | MANUFACTURING | REPAIRS | SERVICE

Volt Amp Technologies design | Re-engineers and manufacture | Repairs a range of transformers and related products to the highest quality and safety standards.



### Manufacturing Capacity

In-house Manufacturing Capability of Transformers and miniature substation up to 6000 kVA and up to 50 kV.

We are able to source, size of transformers and miniature substation, which are higher than the specified range above.



### Transformers

Range includes Power Transformers, Distribution transformers, Including pole mount, oil and dry types. In-house manufacturing, up to 6000 kVA, up to 50 kV.



### Miniature Substations

Miniature Substations for council and mining applications. Oil (Mineral and Ester) and dry types. In-house manufacturing, up to 1600 kVA, up to 33 kV.



### Motors

AC motors, alternators and vibrators.



### Pumps

Submersible and endsuction.



### MCC

Fault level - Up to 100kA, up to 1000V



### Network Studies

Grading, Investigation of nuisance trips, power factor correction and network protection systems.

# SITE SERVICES AND RELATED REPAIRS

Volt Amp Technologies provides failure and investigations reports for all services and repairs.

- Condition monitoring
- Oil samples and analysis  
(Transformers and miniature substations)



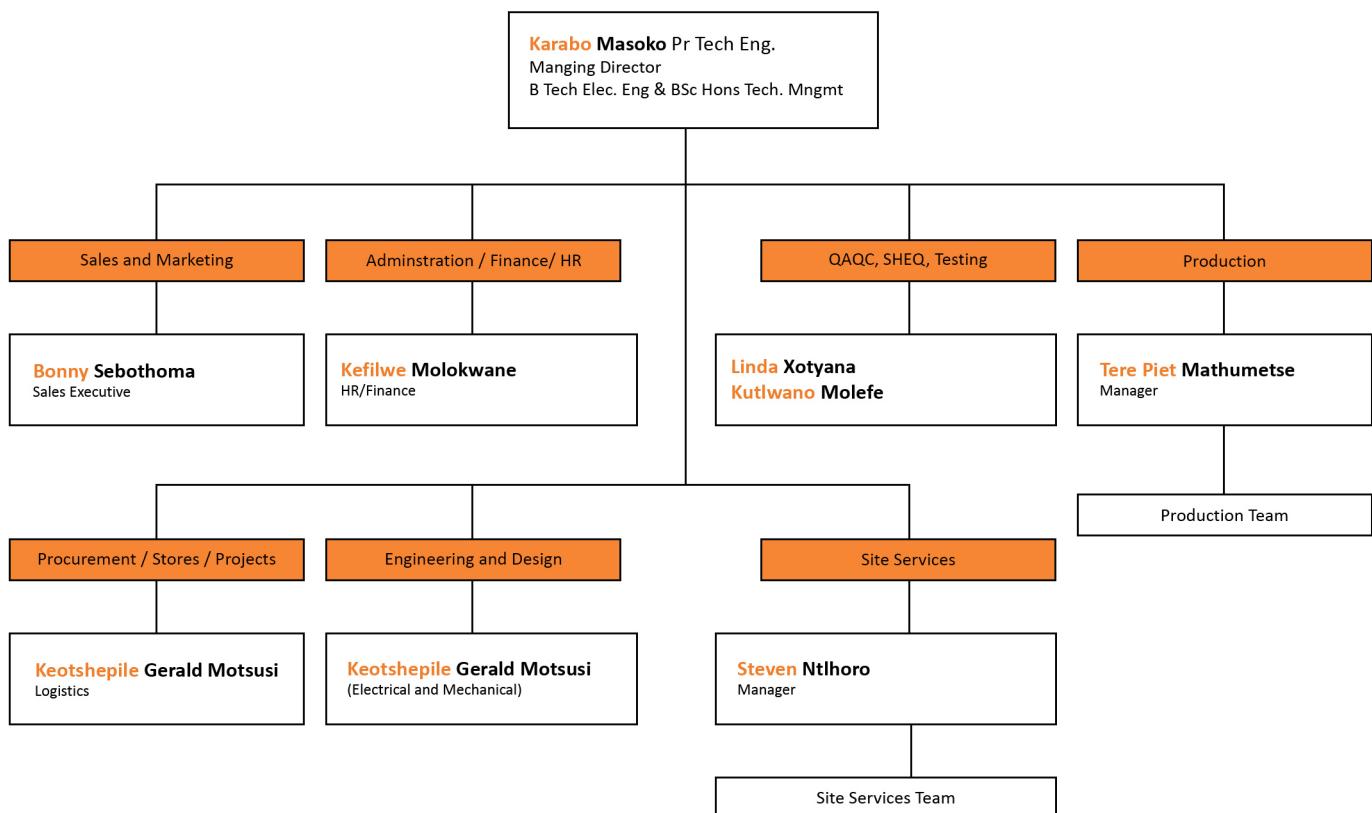
- Oil Purification
- Oil Regeneration  
(Transformers and miniature substations)
- Retrofilling  
(Ester Oil)



- MCC Upgrades
- Breaker Services
- Infrared Scanning
- Secondary injection Testing
- Transformers, Miniature Substations, Motors, Pump Installation and Repairs
- Commissioning
- Protection Maintenance



## Volt Amp Technologies - Core Team



### **KARABO MASOKO** Pr Tech Eng.

MANAGING DIRECTOR

B.Tech Elec.Eng | BSc Hons. Tech. Management | MSAIEE

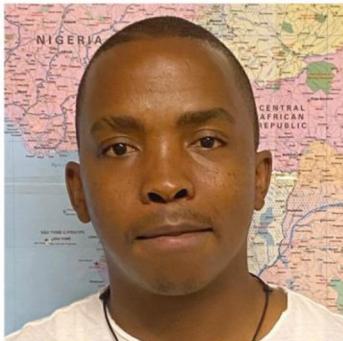
Karabo is a registered professional Technologist, with National Diploma (UJ), BTech Electrical Engineering (TUT) and also holds honours degree BSc (Hons) in Technology Management (UP). Coupled with international training – ABB: Germany and Thai-Trafo Manufacturers – Thailand, experience includes designing transformers active parts of up to 400kV, up to 500MVA for over 14 years. Certified QMS ISO 9001: 2015 Internal auditor, Karabo has been involved in various management roles which includes providing leadership and heading engineering projects focusing on various functions such as design, quality, process engineering, production, testing and maintenance of transformers, miniature substations, motors and pumps.



## RUDZANI MUFAMADI

SALES / PROJECTS

Qualifications includes National Diploma in Electrical Engineering, Electrical Trade Theory and Total Quality Management NQF Level 6(UNISA). Knowledgeable and has 10 years' experience in Quality Management System ISO 9001, including conducting Internal Auditing and Risk Assessment. Previous projects and responsibilities include conducting Internal Audit, implementing and maintaining Quality Management System, monitoring production processes and coordinating Factory Acceptance Tests visits as well as compiling of data packs and safety files for various electrical equipment's and production and projects.



## BONNY SEBOTHOMA

SALES / PROJECTST

Qualification include N3 in Electrical Engineering and working actively towards obtaining his Trade Theory to become a qualified Electrician. With the technical experience of over 8 years in the electrical and transformer industry, Mr Sebothoma's experience includes transformers fabrication, components selection, assembling and testing. Experience also includes handling inquiries, including quotations, order processing, project management and client relations in general.



## KEFILWE MOLOKWANE

HR / FINANCE

Qualification includes National N Diploma in Business Management as well as training - FAIS compliance. Kefilwe has worked over the years as a Teller for cash centre agent, processing numerous multi-million transactions for big retailers on daily basis. She has also worked as Customer Services Agent for a courier company and a Sales Representative dealing with policies. She brings this experience, to ensure prompt and up to date records and systems are in place at Volt Amp Technologies.



## GERALD MOTSUSI

LOGISTICS / ENGINEERING

Qualification include National Diploma – Electrical Engineering (VUT). Having joined Volt Amp Technologies in July 2021. Gerald has gained experience in the electrical field, growing from P1/P2 student to Project Manager. Mr Motsusi is involved in the Engineering: Design and Procurement Development as a Team leader, providing the support that enhances the efficiency of processing orders and producton in general, to the correct customer specifaciton.



2x 150kVA Pole Mount Transformer, fitted with PRD, NER, Temp Indicator and Surge Arrestors



1600kVA 22/0.525kV Transformer Repair



5MVA Active Part - Tanking



Lighting Transformers



NER Panels - 27 Ohms, 10A



25kVA 525/191-110V Lighting Transformers



Refurbished Mini Sub: 630kVA 11/0.55kV Mining Application

**Team work**  
Working together is winning together

Volt Amp Technologies 2024

# Training

## Thuto Ke Matla

- Course Offering Topics

(Electrician)



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As part of our vision to be a leading technical solution provider, Volt Amp Technologies provides technical skills training for staff and clients.

Item No.	Description
1	Panel no 1A: House Wiring
2	Panel no 1B: CTPT Panel
3	Panel no 1C: Load balancing
4	Panel no 1D: Auto transformer
5	Panel no 2: Single phase/3 phase forward reverse, direct online starter
6	Panel no 3: Single phase/3 phase forward reverse, direct online starter
7	Panel 4: Direct online starter, 3 phase forward reverse, sequence starter
8	Panel 5: Direct online starter, 3 phase forward reverse, sequence starter
9	Panel 6: Direct online starter, 3 phase forward reverse, sequence starter
10	Panel 7: Automatic star/delta starter, Direct online starter, 3 phase forward reverse, sequence starter
11	Panel 8: Automatic star/delta starter, Direct online starter, 3 phase forward reverse, sequence starter
12	Panel 9: Automatic star/delta starter, Direct online starter, 3 phase forward reverse, sequence starter
13	Panel 10: Relay panel
14	Panel 10: Relay panel Panel 11 - General <ul style="list-style-type: none"> <li>• Cable testing</li> <li>• Cable termination</li> <li>• Motor test 3phase</li> <li>• Motor test single phase</li> <li>• Relays testing</li> <li>• Breakers servicing/testing</li> <li>• Cable joint</li> <li>• Fault finding on all of the above panels</li> </ul>

## Transformers

15	Transformer Design and Components Selection
16	Transformer Manufacturing and Testing
17	Transformer On-Site Testing and Maintenance

## TRAINING & SKILLS DEVELOPMENT

We aim to equip clients with necessary skills required to optimise production and operations.

In partnership with Thuto Ke Matla Training Academy



## Reference List

### Oil Samples / Transformers and Mini Subs Design, Manufacture, Testing and Supply / Transformers and Mini Subs Refurbishment / New Transformers / PD and Infrared / On-Site Transformer Services

Company	End User	Description of Work Done
Rustenburg Local Municipality	Rustenburg Local Municipality - <b>3 Year Contract currently Active</b>	Design, Manufacture and Delivery of various pole mount transformers and council mini subs, range 25kVA to 630kVA - 11kV - 400V
Omolemo Group	Bakubung Minerals	Design, Manufacturing, Supply: 1x 1600kVA, with ADIT, NERM and NERM Indicator, mining mini sub and 4x 630kVA mini subs, all 11/0,525kV.
Royal Bafokeng Platinum Resources (Styldrift)	RBPlat	Refurbishment (Workshop and Site Services): Various 630kVA 11/0,525kV mini subs, including upgrading to ADIT Relays. Oil Samples / PD and Infrared / Mini Subs Refurbishment / On Site Repairs of mini subs / Breakers and Relays servicing. Design, Manufacturing and Delivery of 200kVA Dry Type, 150kVAs Pole Mount Transformers
Royal Bafokeng Platinum Resources (North Shaft)	RBPlat	Oil Samples / PD and Infrared
Nestle Babelegi	Nestle	Transformers Oil Samples / Purification / On-site repairs
Royal Bafokeng Platinum Resources (Styldrift)	RBPlat	Design, Manufacture and Delivery of New 2x 100kVAs Pole Mounts and 500kVA pad mount transformer and Yearly's - Partial Discharge, Infrared, Breakers and Relays Servicing
Royal Bafokeng Platinum Resources (North Shaft)	RBPlat	Refurbishment (Workshop and Site Services): Various 630kVA 11/0,525kV mini subs, addressing moisture issued. Oil Samples / PD and Infrared/ Mini Subs Refurbishment/ On-Site Repairs.
Ro-Al Construction	Vodacom	Transformers and Mini Subs assessments and Oil Sampling / Servicing of transformers and mini subs
Tharisa Mine	Tharisa Mine	Refurbishment and Maintenance of Various Transformers, Power analysis, Relays upgrades, Power dips fault finding and updating of MV systems
Noirissa	City of Tshwane	Refurbishment of Mini Subs - 315kVAs and delivery to site and Refurbishment of 5MVA Generator Step-Up Transformer
Are Ananeng Construction	Sibanye, Anglo	Transformers supply, Secondary Injection Testing on relays, Breakers Maintenance
African Exploration Mining and Finance	AEMFC	Workshop refurbishment of transformers (1000kVA and 1500kVA, 22kV)
Royal Bafokeng Platinum Resources (North Shaft)	RBPlat - North Shaft	Various Mini Subs Refurbishments, 630kVAs 11/0,525kV
Skylevel Engineering	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 500kVA 6600/400V
Trans-fluid engineering	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 500kVA 6600/400V
Nastich 42	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 200kVA 6600/400V Dry Type VPI
Umdeni Holdings	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 200kVA 6600/400V Dry Type VPI
Magonkosi resources	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 200kVA 6600/400V Dry Type VPI
Coca Cola South Africa	Coca Cola	Design, Manufacturing and Delivery of 1600kVA 11kV and Servicing of Various Transformers and Panels
Kwanda Holdings	Eskom - Kusile Power Station	Design, Manufacture and Delivery of New Transformer 200kVA 6600/400V
Impala Platinum	Implala	Oil Samples / Purification/ On-site repairs
Royal Bafokeng Platinum Resources	RBPlat	Yearly's - Compliances
Boratech	Mossel Bay	Design, Manufacturing and Delivery of 2x 2MVAs, 33kVs and 100kVA - On-going
Coca Cola South Africa	Coca Cola	Design, Manufacturing and Delivery of 2x 5MVAs, Generator Step Up Transformers 11kV - On-going



2x 100kVA 11/0.4kV Dry Type Transformers - VPI Technology (100% manufactured in-house) End User: Eskom



3150kVA 11/0.4kV Transformer - Rewind End User: South Africa Bureau of Standards



Refurbished Vibrator Motors End User: Royal Bafokeng Platinum Resources



Purification Plant - 2000 litres per hour depending on size of the transformer pipe.



Site Service - Replacing Breather



100kVA 11/0.525kV Dyn11 Distribution Transformer End User: Royal Bafokeng Platinum Resources



Bulk Metering Kiosk, Fitted with multi-function power quality analyser with wifi and cellular



Volt Amp Technologies

### Sales Contact Numbers:

#### **BONNY SEBOTHOMA**

SALES / PROJECTS

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MANAGING DIRECTOR

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Safer, greener transformers and  
miniature substations for Southern Africa



#### **MIDEL Ester Transformer Fluids**

PROVEN FOR THE MOST DEMANDING ENVIRONMENTS  
AND FOR BOTH SEALED AND FREE-BREATHING  
TRANSFORMER UNITS



BIODEGRADABLE



HIGH MOISTURE  
TOLERANCE



FIRE SAFE  
(K-class)



20% INCREASED  
LOADABILITY

#### **Volt Amp Technologies**

TRANSFORMERS AND MINIATURE SUBSTATIONS  
FOR MINING, MUNICIPALITIES AND  
INDUSTRY APPLICATIONS



MANUFACTURE  
& REPAIR



TRANSFORMERS  
& MINIATURE  
SUBSTATIONS



TRANSFORMER  
RETROFITTING