



MATLAKSE

COMPANY PROFILE

Reliable Partner, Reliable Products



RELIABLE PARTNER, RELIABLE PRODUCTS

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ABOUT US

Welcome to Matlakse (Pty) Ltd, where innovation and experience converge to power the future.

Since our inception in 2015 in Bloemfontein, Free State, we've soared to become a leading force in the world of Transformers, delivering cutting-edge solutions globally, manufacturing Miniature Substations, Distributions, Cast Resin, Power, Traction and Special Transformers.

In our expansive 10,000m² Bloemfontein facility, we merge state-of-art technology with expert craftsmanship. Our manufacturing and assembly plants are a testament to precision, featuring a top-tier Transformers testing laboratory and advanced PLC-driven production lines.

With a track record of excellence, we've manufactured over 10,000 Distribution Transformers, 5,000 Dry Transformers, and 150 Power Transformers since 2015.

Our global footprint currently spans 19 countries across four continents and counting, cementing our reputation as a trusted manufacturer of Transformers since 2015.

Our team's collective experience exceeds 245-years, and our design prowess covers a spectrum of applications, from Power and Traction to Distribution and Special Transformers.

Partnering with SHENDA Electric, we bring you Power Transformers ranging from 5MVA to 500MVA, leveraging over 40 years of manufacturing expertise.

At Matlakse, we're not just building Transformers; we're powering progress and lighting the way for a brighter, more connected world.





PHILOSOPHY

Becoming your strategic and reliable partner in honesty and transparency, by providing our clients with the best possible solution for their requirement.

QUALITY & PERFORMANCE

Quality and Performance at Matlakse is two-fold. We refer not only to the performance and quality of our products, but also our level of service. Our dedicated team, strive to deliver the best possible service to our clients at all times. Matlakse is a proud SABS ISO 9001:2015 approved manufacturing facility.

AT MATLAKSE, QUALITY IS NOT AN ACT, IT'S A HABIT.



OUR CORE VALUES

- Superior Customer Service
- Teamwork
- Integrity
- Commitment to Employees
- Safety Excellence
- Innovation



A B-BBEE COMPANY

Matlakse understands the importance of black empowerment from the conception of the company. Our company regards this as a vital element of our business. **Matlakse's** B-BBEE status, is not only proof of abiding by the laws and regulations of South Africa, but also shows our dedication of developing our people in South Africa.

Matlakse is a proud SANAS accredited B-BBEE Contributor.



TRANSFORMERS

Matlakse strives to provide quality Transformers to the industry. All Transformers manufactured by Matlakse, are tested in accordance with SANS 780 and IEC 60076, to ensure that we supply our customers with market leading quality Transformers up to 500MVA, 550kV.

Our manufacturing scope for Transformers include, but are not limited to:

1. Pole Mounted Transformers
2. Distribution Transformers
3. Intermediate Voltage Transformers
4. NEC/NER/NECRT Transformers
5. Miniature Substation Transformers
6. Mining Substation Transformers
7. Rectifier Transformers
8. Traction Transformers
9. Power Transformers
10. Dry Type Transformers
11. ARC Furnace Transformers
12. Specialized and Auto-Transformers



• Pole Mounted Transformers

Product Information:

Pole mounted Transformers are electric utility distribution Transformers that are mounted on an electrical service pole (wood or concrete) and are usually at the level of the overhead cables. Pole mounted Transformers are the common breadbox Transformers used for converting distribution voltage to the 240/400 volt power used by homes and low-volume commercial installations.

Capacity: 25 - 500kVA / up to 33kV



• Distribution Transformers

Product Information:

The core is made of quality cold-rolled silicon sheet and is of a full-miter non-puncture structure. The Transformer coil is made of quality oxygen-free copper or aluminium, depending on the clients requirements. It is artistic in appearance and safe, widely used in transmission and distribution in the Industrial and Agricultural sectors. 3.3kV, 6.6kV, 11kV, 22kV and 33kV Distribution Transformers, manufactured by Matlakse, are tested in accordance with SANS 780 and IEC60076.

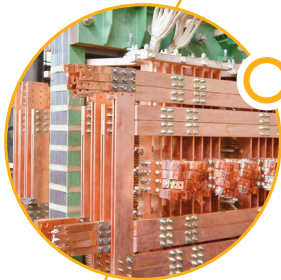
Capacity: 25kVA - 3150kVA



• NEC/NER/NECRT Transformers

Product Range:

- Neutral Earthing Resistors (NER) from 3.3 - 33kV
- Neutral Earthing Compensator (NEC) from 3.3 - 33kV
- Auxiliary Transformers from 50 - 315kVA, with voltages from 3.3 - 33kV
- Combined NER, NEC and Auxiliary Transformer (NECRT) from 3.3 - 33kV



• Rectifier Transformers

Brief Specification:

- Voltage class: 6 - 132kV
- Capacity: 630kVA - 120MVA
- Short-circuit impedance: 4.5 - 21%

Losses: No-load losses are tested in accordance with the IEC requirements.



• Traction Transformers

Product Range:

- Voltage class: 6 - 132kV
- Capacity : 630kVA - 120MVA
- Short-circuit impedance : 4.5-21%

Losses: No-load losses are tested in accordance with the IEC requirements.

Proud Transnet / PRASA Approved Manufacturer



- Specialized and Auto-Transformers

Product Quality:

An autotransformer, also known as a Step-down Transformer, is an Electrical Transformer with only one winding.

The winding has at least 3 taps where electrical connections are made.



- ARC Furnace Transformers

Product Information:

Electric Arc Furnace (EAF) Transformers are required for many different furnace processes and applications. They are built for Steel, Ladle and Ferroalloy Furnaces and are similar to short or submerged Arc Furnace Transformers.



- Dry Type Transformers

Product Quality:

Matlakse is proud to announce that for more than 9-consecutive years, not one of our Dry Type Transformers has failed in service, due the manufacturing defects.

With more than 5,000 Dry Type Transformers manufactured and installed globally, this is a result of accurate design and phenomenal manufacturing quality.

Capacity : 50kVA to 30,000 kVA



- Power Transformers

Product Information:

Power Transformers supplied by Matlakse are designed and tested in accordance with the IEC 60076 standards and requirements of three phase immersed Power Transformers.

Our Power Transformer manufacturing facility, is fully accredited by SGS for ISO9001:2015 and ISO45001:2018

Capacity: 3150kVA - 500MVA / 550kV



MINIATURE SUBSTATIONS

Matlakse manufactures a wide range of oil immersed and Dry Type Miniature Substations, dedicated for the Power Distribution and Mining sector.

Our Miniature and Mining Substations are tested in accordance with SANS 1029, SANS IEC60076-11.

Voltage Ratings MV: 3.3/6.6/11/22/33kV

Transformer Sizes: 200, 315, 500, 630, 1000, 1250 and 1600kVA.

MV Switchgear.

- Oil Ring Main Unit with fuse protection
- SF6 Ring Main Unit combined with a self-powered protection relay
- Vacuum Ring Main Unit combined with a self-powered protection relay



SWITCHGEAR

Matlakse combine experience, quality and service to provide reliable, cost effective MV indoor and outdoor, Pad Mounted Switchgear units to our customers specification.

Our Switchgear products range from 11kV up to 132kV.



OUR GLOBAL FOOTPRINT



We are proud to see our advanced Transformer solutions making a significant impact around the globe. Our technology is at the heart of vital infrastructure and innovation across 19 countries and counting.

RENEWABLE ENERGY SOLUTIONS

TOGETHER WE ARE POWERING A SUSTAINABLE FUTURE.



OUR FIELD SERVICES

Our field service division offers a full-service package that includes Abnormal Transport, Installation, Transformer assembly, Certified Oil-handling, Site Acceptance Testing (SAT) and standard maintenance on Transformers.

Our service team focuses on preventive maintenance that minimizes future unscheduled maintenance and optimizes the lifetime and working capability of our customer's Transformers.

Transformer Field Services:

- Transformer On-site Assembly and Handling
- Specialised Lifting and Rigging
- Abnormal Load Transport
- Comprehensive Site Acceptance Testing
- Certified Oil Handling
- Mobile Oil Purification
- Annual Transformer Maintenance

WE'RE PROUD TO PRESENT

Some of our successful deliveries



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OUR GROUP COMPANIES

