



COMPANY PROFILE



chemrotech.co.za

**BALANCE THE POWER
IN YOUR LIFE**

**17 NEUTRON STREET
URANIAVILLE
KLERKSDORP
2571**

 **CHEMROTECH**
POWER ENGINEERING

TOP SERVICES: Transformers/Miniature substations/Generators/Switchgear

Situated in Klerksdorp, North West, Chemrotech serves customers within the borders of the Republic of South Africa and abroad.

Chemrotech is in the business of high voltage, medium voltage and industrial electrification transformer service, repairs, as well as oil purification – online or offline. Clients include airports, universities, shopping centres, hotels, hospitals and the mining and food manufacturing industries.

We supply, install and commission all types of switchgear, OCB's, VCB'S and SF6 gas breakers as well as all types of transformers, oil purification plants, renewable energy and turnkey projects.

Chemrotech has the 'On-the-ground-know-how' backed by the best local and international expertise in business to make it happen.

We manage each project personally in terms of quality, time and price, utilizing our internationally proven experts to transfer their skills to local talent. Bringing innovative solutions to every single one of our projects.

Chemrotech's mission is simple: To be a driving force in accelerating Southern Africa's potential through excellence in all aspects of electrical construction and services. Our aim is exceptional service.

HISTORY AND BACKGROUND

Two energetic partners in the Gauteng region started Chemrotech in 2001, which later rooted itself in the North West province. Chemrotech was founded by directors Kallie Fourie (current director) and the late Johnny de Bruin.

Chemrotech's goal has always been to render a most affordable service of outstanding quality to customers in the field of transformer high- and low-tension maintenance and installation as well as transformer oil purification.

STAFF AND EQUIPMENT

Chemrotech is well staffed and equipped to fulfil its goal. The staff is appropriately qualified and widely experienced in their various fields of operation.




MILESTONES

Clients and competitors today acknowledge Chemrotech an established supplier in the field of transformer and high-tension maintenance. We pride ourselves on efficient and cutting-edge service on the renewable energy market.












SERVICES





Design and consulting on turnkey projects

-  Complete HT and LV reticulation systems
-  Generator project and/or hybrid installations
-  Power factor corrections







Manufacturing

-  Miniature substations – all mining and municipal types
-  Generators
-  Oil purification plants (Eskom compliant)
-  Reticulation panels and boards
-  VSD, soft starters, D.O.L
-  All size gully and rig boxes
-  Synchronizing panels for generators
-  Transformers
-  Containerised substations

Repairs and refurbishing

-  All types of HT switchgear
-  Transformers – including winding repairs to active part
-  Generators
-  Miniature substations – all types

Sampling and testing of oil (via SABS approved laboratories)

-  Visual examination
-  Moisture of water (Crackle or Karl Fisher)
-  Total acid number (TAN)
-  Dielectric strength (kV)
-  PCB
-  Gas analysis on oil



Purifying of:

- ⚡ Uninhibited transformer oil (Virgin/Regenerated)
- ⚡ Silicon oil
- ⚡ Turbine oil
- ⚡ Hydraulic oil
- ⚡ Midel oil
- ⚡ FR31/Esther oil


Installations of HT and LT electrical equipment

- ⚡ HT cables, terminations, joints, etc.
- ⚡ Building of new and re-built LT control panels
- ⚡ Renting of transformers, switches, generators, etc.
- ⚡ Supply and installation of new transformers, switches, panels, etc.

Service on substations, miniature substations and generator plants

- ⚡ Assessment
- ⚡ Clean out
- ⚡ Re-paint
- ⚡ Re-spray of transformers
- ⚡ Repairs

Safety standards

- ⚡ All work according to OHS Act and relevant regulations
- ⚡ Electrical standards according to SABS

Testing of equipment

- ⚡ Testing of HT and LT reticulation
- ⚡ Full reports and testing of transformers, mini substations, etc.

Testing of HT and LT substations

- ⚡ Protection relays
- ⚡ Fault finding
- ⚡ Power factor correction

STRATEGY

The fundamentals of Chemrotech are to achieve efficient service delivery to ensure customer satisfaction.

This is done through addressing the following critical issues:

- ⚡ Innovation
- ⚡ Productivity
- ⚡ Methodology
- ⚡ Safety and quality
- ⚡ Resource management
- ⚡ Market relativity



QUALITY

Chemrotech is dedicated to providing a competitive product and service through sound engineering practices. We decided to take it a step further and began a journey of implementing ISO 9001:2015, to put forward a quality control guarantee to our clients.

More recently, we took it a step further to implement ISO 14001:2015 as well as ISO 45001:2018, and we are proud to say that we are fully SHEQ compliant, which enables us to focus on putting out quality products and services.

Bringing it all together, we strive to improve production and the benefits thereof through sound engineering practices.

Active benefits include:

- ⚡ Avoid unplanned shut-downs/catastrophic damage
- ⚡ Experience consistent availability to customers
- ⚡ Reduce operation and maintenance costs
- ⚡ Improve overall plant availability
- ⚡ Be secure with extended maintenance and emergency repairs

Based on actual conditions and time limits, this service includes analysis of inherent failure mechanisms and causes. Should more detailed tests and analysis be necessary after operational recovery, we provide extended expertise.



SUPPLIERS to Chemrotech Power Engineering

- | | |
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|  ABB |  Fluke |
|  AC/DC |  Jubaili Bros |
|  Actom |  Kirloskar |
|  Allbro |  Merlin Gerin |
|  ARB Electrical |  ODC SA |
|  Cargill |  Oilwatch |
|  CAT |  Perkins |
|  CBI Electric |  Schneider Electric |
|  Cummins |  TGood |
|  Detroit Diesel Corporation |  TMI |
|  Deutz |  Vanguard Power |
|  Enviroil |  Volvo Penta |



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