



**TANELEC**  
*facilitating power distribution in the region*

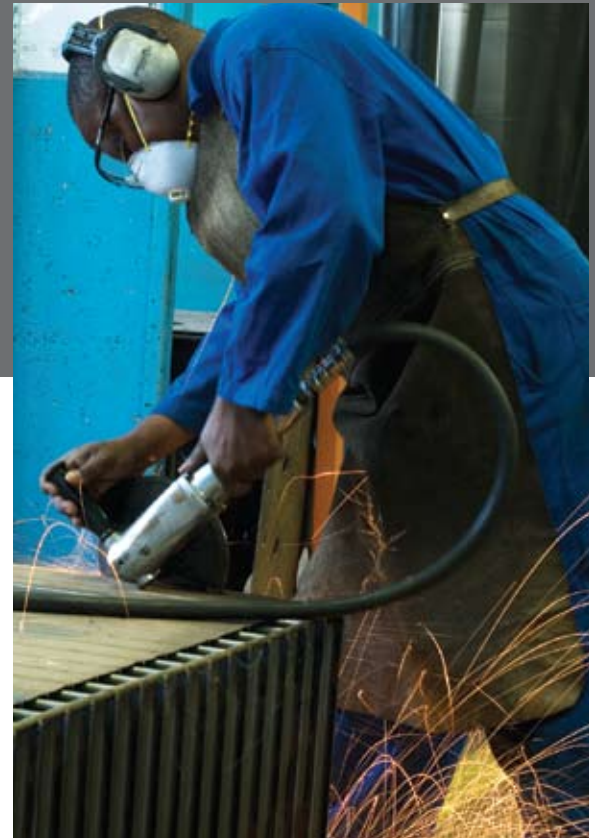
Company Profile



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Transformers  
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Service and repair  
TANELEC Cookers



Tanelec limited manufactures power distribution equipment backed by local knowledge and international standards.

## About Us

TANELEC limited commenced its operations in Arusha, Tanzania in 1981 and is the largest manufacturer of electrical distribution transformers and switchgear in East and Central Africa.

We are well equipped to provide full customer support for all our products and at the same time offer comprehensive repair and service capabilities.

### Our Mission

To be a responsive and dynamic company that exceeds customer expectations and increasing our market footprint and share in Africa through the provision of high quality products and services.

### Our Vision

To be the leading and preferred provider of distribution transformers and switchgears.

### Our Core Values

- Employees, customers and public safety.
- Ensuring that our business ethics are unquestionable.
- Demonstrating our social and environmental responsibilities.
- Customer care and service beyond expectation.





**FINAL  
TESTED**

## Our Culture

We believe our employees are our greatest resource and as such strive to provide occupational health, safety and ensure safe working conditions by constantly auditing our internal processes and making improvements as we identify them.

We also work at promoting team spirit within all levels of the company. Open communication ensures new ideas can be presented and incorporated. We also constantly monitor standards to ensure principles are maintained.

We are committed to our own code of practice and business ethics policies. Our senior management team comprises of experienced people whose combined talents and expertise enables us to manage and achieve our ambitions and targets.

We recognise that our own success can provide increased employment opportunities for the local community as well as providing business opportunities for service and supply sectors.

We aim for the highest standards of quality in all our products and services. We are proud to have been awarded ISO and TBS certification

Creating local added value is important to us and our contribution to the country and regional economy.

We combine high quality with practicality. To this end, we have worked with Tanesco in Tanzania to develop products aimed at reducing energy theft, among many other solutions.



ISO 9001 Quality Management System



ISO 14001 Environmental Management System



Tanzanian Bureau  
of Standards  
Certification:  
for all our products

At Tanelec we work to promote a team spirit within all levels of the company





We specialise in  
manufacture of  
transformers,  
switchgears,  
servicing and repair  
of all our products

## Transformers

We manufacture pole mounted and ground mounted distribution transformers from 25KVA up to 3000KVA up to 33Kv.

We have our in-house engineering and design capabilities and manufacture transformers using well proven technology under a technical licence with ABB. Our engineers ensure that the best solutions are provided to suit our customers' needs.

Transformers can be supplied from our standard products range, customized to suit customer needs or designed specifically for special applications. Tanelec transformers comply with IEC standards.

Only the best quality materials are used to ensure the highest possible quality. At the end of the production process, all our transformers are subjected to full routine tests including high voltage and performance efficiency tests.

### Benefits

Tanelec transformers ensure:

- Minimal vibration and noise
- Excellent mechanical strength against short circuits
- High impulse withstanding capability
- Top quality powder paint surface finish
- Minimal maintenance requirements
- Long life expectancy

### Optional Extras

- Conservator tanks
- Dehydrating breathers
- Pressure relief devices
- Temperature indicators (With or without trips)
- Bucholz relays
- Cable boxes
- Skids or rollers





## Switchgears

TANELEC has a proven record for producing high quality switchgear which meets IEC standards. This we have done by combining both basic local know how and the latest global technology to produce and design our products to offer defined excellence.

We engineer and manufacture a wide variety of Low Voltage Switchgear products including custom Switchgear specific to customer needs.

We also manufacture a range of Medium Voltage products such as switchboards up to 24kV, general control panels and metering panels.

### Low Voltage & Medium Voltage Switchgear

Our Low Voltage Switchgears are used extensively in the generation, distribution and general use of electrical energy.

Our Medium Voltage (MV) switchgear range is easy to install, safe to operate and is efficient on space.



Other Switchgear products include:

- Transformer and generator changeover controls
- Distribution panels
- Metering panels
- Metering boxes
- Solutions specific to customer needs

We put all our products through the most stringent tests to ensure optimum performance in accordance with IEC Standards



Benefits of our low voltage and medium voltage switchgear equipment include:

- Easy installation
- Reduced energy costs
- Lower losses for cables and transformers
- Increased power transmission capacity in cables
- Increasing transformer capacity
- Improved voltage stabilization in long cables
- Front access cubicles which are space efficient
- Can be used to extend already existing switchboards
- Longer lasting switchboards - resistant to corrosive agents
- Are built to ensure greater user safety
- Designed with individual compartments, circuit breakers, busbars, cable (feeders) and instrument compartments.



## OUR FUTURE

Our target is to increase production capacity and efficiency are aimed at improving our competitiveness in an international market where competition is increasing.

## Service and Repairs

We provide full service and repair support for all of our products. In addition to regular repairs, our transformers service includes upgrades, retrofits, relocation and site erection.

Responding to an increasing demand for this service, Tanelec founded an independent transformer service shop to provide the required expertise and facilities for repairing distribution and small power transformers.

When maintained properly, transformers can be expected to perform for twenty years or longer, without repair. We can provide all the necessary service requirements and service relevant to your transformer and its application.

In-house factory repair services include:

- Tank, winding and Core replacement
- Tapchanger overhaul/replacement
- Transformer upgrading
- Transformer refurbishment

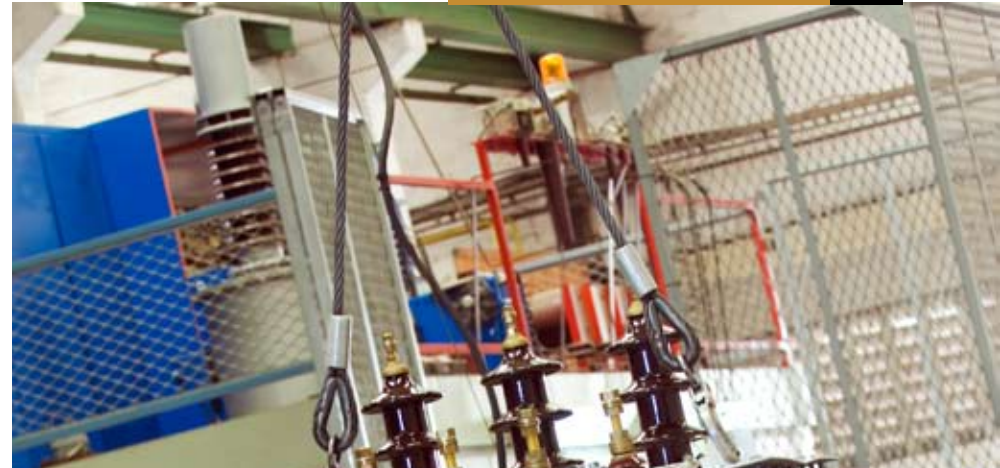
Field repair services include:

- Cooler equipment repair/replacement
- Cable box replacement
- Oil processing and replacement
- Tapping switch repairs/replacement
- Gasket replacement
- Transformer relocation
- Transformer up-rating
- Retrofits

Our strength lies in combining both basic local knowhow and the latest global technology to ensure excellent workmanship.

We aim to engage our clients by providing an effective after sales service manned by a team of trained expert engineers. Within this team, we have 24/7 dedicated On-load Tapchanger service engineers available to complete site work and maintenance tasks.

We offer spares for both modern and obsolete models of On-load Tapchangers and Off-Circuit Tapchangers



We also work at promoting team spirit within all levels of the company. Open communication ensures new ideas can be presented and incorporated



We aim to be the market leader and preferred supplier of the products we produce



manufactured to high quality standards and as per the original drawings, materials and tools. We also repair and refurbish old Tapchangers.

#### Other Services

services include:

- Maintenance training
- Routine and general maintenance
- Site visits to assess, inspect and provide a comprehensive report on Tapchangers.
- Emergency repairs and complete overhaul
- Retrofitting old Tapchangers with modern units.
- Site installation and commissioning
- Inspection and condition assessment
- Maintenance contracts
- Spare parts
- Oil sampling
- Consultancy advice

#### Benefits

- Cost effectiveness in repairing rather than buying new
- Economical use of inventory
- Shorter down time during repair
- Fully repaired transformers are as good as new





## TANELEC Cookers

At Tanelec, we manufacture electric cookers. Our cookers come in two types which include:

### TYPE KP2

- The Tanelec type KP2 is the ideal stove for the young single professional or for a small family
- The Tanelec type KP2 weighs only 7kg and so its convenient size makes it easy to transport
- The non-slip feet enable you use it safely on any surface
- Painted in non-fading brown colour, with an enamelled top, the Tanelec KP2 is easy to clean and will suit any electrical outlet

### TYPE EXPORT 2000

- The Tanelec export 2000 stove provides all functions of a household cooking stove, but take up far less space and is no bigger than an average cardboard box.

- The export 2000 has an enamelled top that ensures spill can be easily wiped up, and the chocolate brown colour finish makes for a lasting shine. The oven door can easily be hooked off its hinges, for easy cleaning in and out.

### Optional Extras

- Enamelled oven pan
- Enamelled baking tray
- Nickelled shelf





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