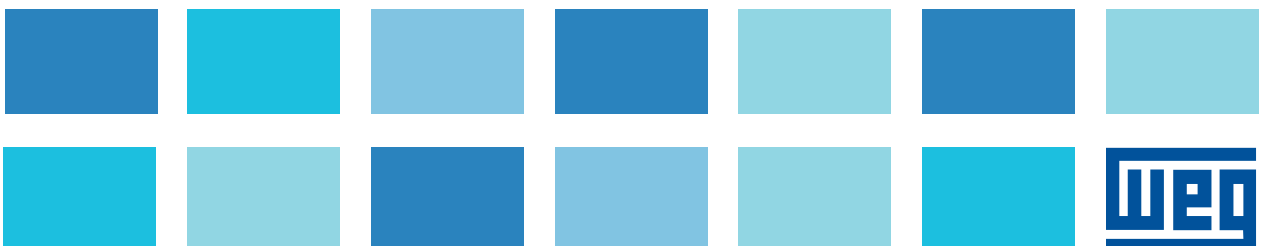




WEG Transformers Africa



WEG TRANSFORMERS AFRICA



Passion Through Our People

**WEG Transformers Africa** is a leading manufacturer of high quality transformers and Switchgears. Manufactured by a highly skilled workforce who form efficient processes, we aim to provide reliable transformers and switchgears while maintaining a commitment to taking care of the environment, all the way from sourcing raw materials for production to final use by the customer.



We have, over the years, successfully embraced and implemented “strategic thinking” and the “process of ongoing improvement” to product quality, engineering, excellence, responsive quotations and customer value creations.

**WEG Transformers Africa**, formerly Hawker Siddeley Africa is recognised among the pioneers of mini substations and has become one of the largest manufacturers of mini substations, unit substations and distribution transformers in South Africa, with the capability to design and manufacture the complete range presently in use in the country’s industrial sector.

WEG Transformers Africa is a Group Company of The ZEST WEG Group. The Zest WEG Group, a local subsidiary company of leading Brazilian motor and controls manufacturer WEG, has acquired the entire business of Hawker Siddeley Electric Africa in South Africa.

**Our products** are manufactured to meet SABS specifications and we also do custom manufacturing for customers with unique requirements. Every product is fully tested in accordance with SABS and other standard specifications and test certificates are available on request. Our SANS 780 certified product range includes;

- Internally arc tested mini substations with Oil or SF6 Ring Main Units.
- Power and Distribution Transformers up to 66kV and rated up to 10MVA with off-load tap-switch or on-load tap-changers.
- Special Application units for mining, industrial, rectifier/traction, converter and thyristor drive applications.
- Tiger Oil Ring Main Units (RMU).

In November 2007, WEG Transformers Africa passed the international arc test for mini substations to IEC standards. The company is currently implementing various initiatives which include among others the ISO 9001 quality certification process.

We have the capacity to deliver mini-subst and distribution transformers within 8 to 12 weeks; power and special application transformers within 6 to 24 weeks.



## Distribution, Power & Special Application Transformers

Our transformers are mainly used for the generation and supply of electricity from power stations through to consumers, with rectifier transformers being used for industrial, steel works and traction applications, Furnace transformers (induction) are used in the mining industry.

Our standard range includes from 50kVA to 10000 kVA in Voltages up to 66kV with off-load tap-switch or on-load tap-changers. The exact dimensions of our transformers vary from time to time as we are continually reviewing and improving our designs to reduce cost and enhance performance. Dimensions however will always be within the SABS recommendations.

## Ring Main Units (RMU)

All our RMUs are of the “Load make fault break type” and are oil insulated with both fuses and bus bars immersed in oil. The Cable boxes for the stand alone Units are “internal arc tested” and the units also consist of a “pressure release vent” at the back to protect the operator from hot oil should the RMU be switched into fault.

WEG Transformers Africa manufactures and uses the 12kV “Tiger” range of oil filled 630A load break switches, fused automatic switches and combination ring main units for indoor/outdoor use and mini substations or as stand-alone switchgear with the following alternative arrangements;

- NX3F: Double Isolator with Fused Tee-Off
- NX3: Three Isolator Unit
- X2F: Single Isolator for Left or Right Hand Side with Earthing plus a Fused Tee-Off.
- X1F: Fused Tee-Off Switch with Earthing Facility
- X2: Double Isolator with Ring Earthing & Cable Testing facilities
- X1: Single Isolator with Earthing & Cable Testing Facilities.



## Mini Substations

WEG Transformers Africa is one of the pioneers of mini substations and is now one of the largest manufacturers, with the facility to design and manufacture the complete range presently used in South Africa. These mini substations and unit substations have a range of 100 to 1000kVA in voltages up to 22kV. We specialise in Type “B” mini substations consisting Mild Steel or 3CR12 corrosion resistant steel as recommended in SABS 1029, 1030 and NRS004 with the transformer section complying with SABS 780 and NRS005.

Our standard size mini-subst consist of a 100kVA 160kVA, 200kVA, 315kVA, 500kVA, 630kVA, 800kVA and 1000kVA. HT and LT switchgear can be provided to suit individual requirements. Advice and recommendations regarding switchgear is provided by our Engineers, Based on the customer’s requirements and our extremely wide experience accumulated over the years.

## Service Delivery

Our sales force is well trained to provide all customers with very responsive quotations through technical advice and support. The company also offers customers a total package, including transportation and offloading to the site. We also constantly strive to improve products with respect to the isolating costs of raw materials and our delivery on commitments.



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