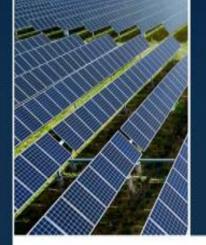
WEG Africa Ecoindustry - ANGOLA

Capabilities: products and Solutions





Driving efficiency and sustainability



Miguel Camalando Regional Sales Manager- Southern Africa Mobile +27 83 690 3453 MCamalando@weg.net

Southern Africa Region

Angola



Botswana



Madagascar



Malawi



Mauritius



Mozambique



Namibia



Zimbabwe







Was founded on September 16, 1961



Consolidated as a complete industrial

electric systems supplier.

1932 1999









U\$D 29.7 billion *

* March 2023

WEG AROUND THE WORLD





Europe and Middle East 1 251











Sales to over Distributors in 85 countries Subsidiaries in 29 countries



135 countries

34 Factories in 11 Countries



ENGINEERS AT WEG



Management	727
Technical / Manufacturing	1 115
Sales	747
Other areas	145









MANUFACTURING SITES





GLOBAL PRODUCT CERTIFICATION





WEG Products comply with dozens of Certifications and **Regulatory Bodies** Worldwide





SOUTH AFRICA



EUROPEAN COMMUNITY





















COLUMBIA













CB SCHEME INTERNATIONAL







FRANCE









































SAUDI ARABIA

SOUTH KOREA

UNITED KINGDOM

WEG IN SUB-SAHARAN AFRICA



720+

EMPLOYEES



Engineers 20+
Technicians 20+
Manufacturing 500+
Expatriates 7 (from WEG)



Over 70 000 VSDs & Soft Starters Installed in Southern Africa

Largest Electric Motor and Variable Speed Drive Stockist and Supplier in Africa

In excess of 42 000 Units

45 Servicing Over Countries in Sub-Saharan Africa

MANUFACTURING PLANTS BRANCHES AND DISTRIBUTORS









13 National and 30 Sub-Saharan African Accredited Distributors



WEG's_Scope of Supply





SEGMENTS SERVICED



From a simple motor for application in the rural area to solutions that meet several segments of the industry



WATER SECTOR



Medium/Low voltage motors Booster Pumps Variable Frequency Drives

Oil/Dry Transformers

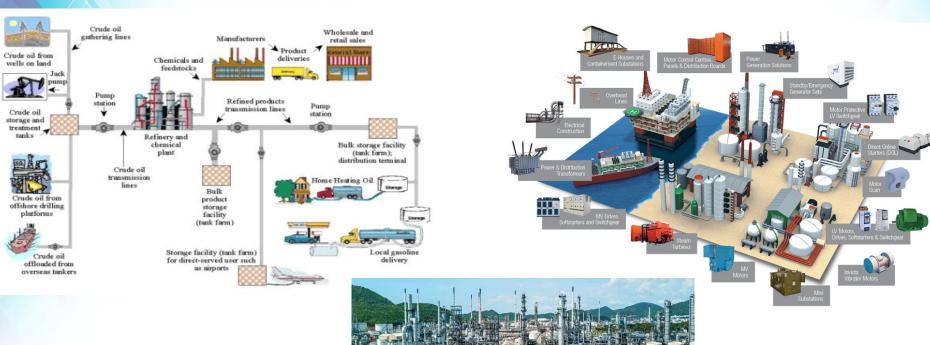
- · Clear Water.
- Waste Water.
- Desal plants

https://youtu.be/VHa1P2OIVRQ?t=57 https://youtu.be/VHa1P2OIVRQ https://youtu.be/ FoRV8ruNHg





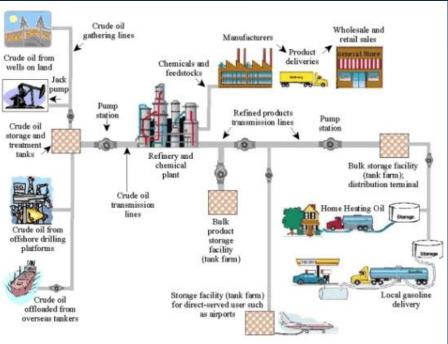




OIL AND GAS SOLUTIONS



Electrical Solutions for O&G Plants





WEG Solutions for the offshore Industry.mp4

WE ARE ONE, WE ARE WEG

Public Sector solutions



Electrical Solutions for Public Sector





WE ARE ONE, WE ARE WEG

Mining Sector





- Products are engineered to facilitate a safe and reliable mine and plant







Power Systems Solutions



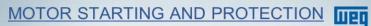






DRIVES, SOFTSTARTERS AND SWITCHGEAR





- Control Relays
- Contactors
- Contactors for Capacitor Switching
- Overload Relays
- Enclosed Starters
- Motor Protective Circuit Breakers



ELECTRICAL CIRCUIT PROTECTION

- Smart Relay
- Electronic Relays
- Air Circuit Breaker
- Molded Case Circuit Breakers
- Miniature Circuit Breakers
- Residual Current Devices
- Surge Protectors
- High-Speed Fuses
- Fuse-Switch Disconnectors
- Compact Switch Disconnectors



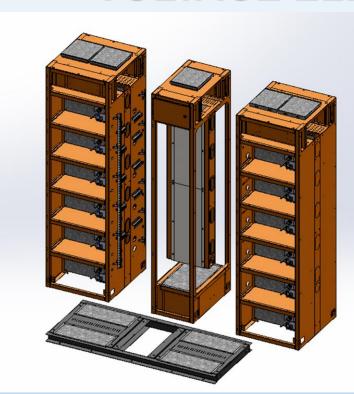






IEC / SANS TYPE TESTS - LOW VOLTAGE ELECTRICAL SYSTEMS







WEG LV Range of Fixed Pattern
Panels Comply to the Latest of <u>IEC</u>
61439 requirements up to 50kA @
525V+10%

WEG ROTATING EQUIPMENT





IE1	IE2	IE3	IE4	IE5
Standard Efficiency	High Efficiency	Premium Efficiency	Super Premium Efficiency	Ultra Premium Efficiency
			. 0	2



Typical 110kW, 4P Motor, Efficiencies above All classes available from WEG!





MOTOR SCOPE











ROTATING EQUIPMENT



- Electric Motors
- Geared Motors
- Generators









MOTOR SCOPE



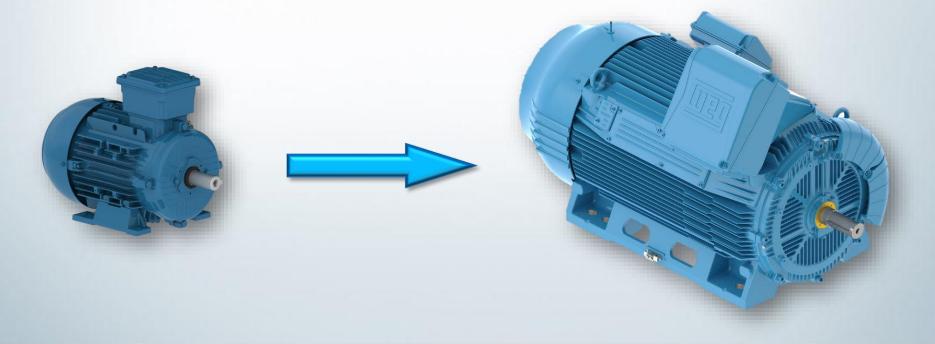
0.18kW to 1000kW

2 Pole to 12 pole

220V to 11000V

Single Phase & Three phase

Asynchronous & Synchronous



Motors: Main Product Range



General Purpose Applications



W11 Aluminium



W22 - IE1 & IE3



W21 Single Phase



W20



W40 (ODP)



W50



HGF

Motor Efficiency Classes (IEC)



IEC 60034-30-1:2014 Efficiency classes for LV motors 2 - 8 Pole and up to 1 000kW

IE1	IE2	IE3	IE4	IE5
Standard Efficiency	High Efficiency	Premium Efficiency	Super Premium Efficiency	Ultra Premium Efficiency



72.1%



79.8%



82.5%



85.6%



88.2%

Typical 110kW, 4P Motor, Efficiencies above

All classes available from WEG!

WEG TRANSFORMERS AFRICA MANUFACTURING SCOPE



South African Manufacturing Operations

- Custom Designed Oil Filled Transformers
 - Distribution 500 kVA to 3 150 kVA
 - Power 3 150 kVA to 45 MVA up to 132 kV
 - Windings: Copper or Aluminium
- MINI-SUBSTATIONS
 - Enclosure Type A, B and C
 - Up to and including 1 600 kVA 33 kV
 - (specials up to 33 kV for the African market)

- Power Trafos 45 MVA to 500 MVA up to 550 kV GLOBAL MANUFACTURING OPERATIONS
- Custom Designed Oil Filled Transformers







ELECTRICAL RETICULATION AND CONSTRUCTION



ELECTRICAL

- MV & LV cable reticulation systems
- MCCs, cable and racking layouts

Building services including lighting, power distribution, earthing and lightning protection

Power Factor Correction

Energy management systems

PV installations, DC to MV

CONTROL AND INSTRUMENTATION

- Process instrumentation
- Plant automation and control with PLC/SCADA systems
- Custom control stations, control desks and PLC panels

OVERHEAD LINES 11kV - 275kV

- Wood, steel and concrete poles
- Lattice Structures
- Survey and profiling
- Foundation designs
- Structure designs/selection
- Complete installation

SUBSTATIONS 11kV – 275kV

- Designing
- Civil works
- Steel and electrical Works
- Automation
- Commissioning and hand over
- Mobile substations



