



Low and Medium Voltage
Packaged Switchgear Solutions

Shaw Controls

Shaw Controls, an ISO 9001 Bureau Veritas certified local manufacturing facility, has over 30 years' experience as a manufacturer of quality motor control centres (MCCs), distribution boards, medium voltage (MV) switchgear, control desks, PLC and instrumentation enclosures, portable and containerised substations, E-Houses and various other customized electrical enclosures.

Focused on providing world class electrical solutions, Shaw Controls has the necessary skills and expertise to manufacture electrical and control panels for all types of applications. Both standard and custom engineered products are produced at its extensive manufacturing facility south of Johannesburg. Electrical and control panel solutions incorporate WEG products as well as those from leading suppliers in the switchgear industry.

Shaw Controls provides the most complete range of electrical enclosures from small DOL starters to complete E-house solutions. The service encompasses design and manufacture as well as project management, all to the relevant international industry standards and using the most modern design software.

Standards information

Shaw Controls products are supplied to the below standards

- ISO 9001 - Quality Management System
- IEC 61641 - Enclosed low-voltage switchgear and controlgear assemblies guide for testing under conditions of arcing due to internal fault
- IEC61439 – 2 - Low voltage switchgear and controlgear assemblies Part 2
- IEC 62271-1 - High Voltage Switchgear and controlgear, common specifications
- IEC 62271-200 - High Voltage Switchgear and Controlgear above 1kV and up to 52kV



Shaw Controls Motor Control Centre (MCC) Workshop and Production Line

Offering a complete range of Low and Medium Voltage Electrical Switchgear Systems



Low Voltage Fixed or Semi-Withdrawable Motor Control Centres (MCC)

From 380V to 690V, Up to 3200A, 65kA /1s, Int.Arc 65kA /300ms, Up to IP54, Form 3b / 4a
Type Tested and Fully Compliant with IEC61439-2 / Ed1 / SANS61439

Low Voltage Fully Withdrawable Motor Control Centres (MCC)

From 380V to 690V-60 / 50Hz, 50 / 80 kA
Up to 6000A, IP42, Form 3b / 4b
Fully Compliant with IEC61439-2



CFW Family - Variable Speed Drive and Soft Starter Panels

From 380V to 690V up to 1800kW
(3000kW Water Cooled)





Standalone E-House and Container Conversion Facility

Custom, fit to purpose built, fixed and moveable electrical buildings, suitable for MV & LV Switchgear Systems, PLC Panels, UPS's VSD's etc. Applications and sizes designed to suit customer specifications.



Medium Voltage Switchgear Systems

From 2.2 to 33kV, 400 to 4000A, 25 to 50kA / 1s
IEC 62271 – 200 Standards
Internal Arc Classification AFLR / BF ALR

Shaw Controls Smallworks Workshop and Production Line.

Complete range of Standard Starters- Direct On Lines, Star Delta's, Soft Starters and Variable Speed Drive Starters, Isolator Stations & Junction Boxes.

Shaw Controls Distribution Board Workshop and Production Line

Main and Sub Distribution Boards, PLC/RIO Panels, Control Desks etc.



Medium Voltage VSDs

2200 to 6900V, 78 to 3496A, 400 to 14 000kW*

Medium Voltage Soft Starters

2200 to 6900V, 70 to 600A, 315 to 5600kW*

* Ratings are voltage and application dependent

Johannesburg

47 Galaxy Avenue
Linbro Business Park
Private Bag X10011, Sandton 2146
GPS: S 26° 4' 10.92" E 28° 6' 45.88"
Tel +27 (0) 11 723 6000
Fax: +27 (0) 11 723 6001
info@zestweg.com

Cape Town

9 Omuramba Road, Marconi Beam
Montague Gardens, Milnerton
GPS: S 33° 52' 42.1" E 18° 30' 39.1"
Tel: +27 (0) 21 551 2710
capetown@zestweg.com

Durban

51 Island Circle
Riverhorse Business Estate
GPS: S 29° 46' 5.53" E 31° 0' 21.04"
Tel: +27 (0) 31 569 7260
durban@zestweg.com

Rustenburg

6 Kgwebo Road
Mabe Business Park
Old Pretoria Road
GPS: S 25° 41' 14.1" E 27° 15' 38.78"
Tel: +27 (0) 14 594 0450
rustenburg@zestweg.com

Middelburg

6 Wicht Street
Vaalbank, Middelburg
GPS: S 25° 47' 7.70" E 29° 28' 42.33"
Tel: +27 (0) 13 246 2849
mpumalanga@zestweg.com

Richards Bay

78 Alumina Alley
GPS: 28°45'27.414"S 32°1'30.586"E
Tel: +27 (0) 35 751 1607
richardsbay@zestweg.com

Trichardt

3 Schabot Street, Trichardt
GPS: S26° 29' 28.08" E29° 13' 15.64"
Tel: +27 (0) 17 638 1571
trichardt@zestweg.com

Port Elizabeth

1 Millennium Road,
Old Showgrounds, North End, PE
GPS: S 33° 55' 70.7" E 25° 36' 19.6"
Tel +27 (0) 41 486 1262
portelizabeth@zestweg.com

Zest Electric Ghana LTD

15 Third Close Street
Airport Residential Area
Accra, Ghana
GPS: N 5° 36' 54.90" W 0° 10' 50.02"
Tel: +233 30 27 664 90
Fax: +233 30 27 664 93
Cell: +233 540 898 466
ghana@zestweg.com

Enl Electrical

Electrical/Instrumentation Engineering
and Contracting
47 Galaxy Avenue
Linbro Business Park
GPS: S 26° 4' 10.92" E 28° 6' 45.88"
Tel: +27 (0) 11 792 2803
info@eni.zestweg.com

Zest Energy

Integrated Power Generation, Electrical
and Energy Solutions
21 Galaxy Avenue
Linbro Business Park
GPS: S 26° 4' 23.4" E 28° 6' 49.5"
Tel: +27 (0) 11 723 6000
info@energy.zestweg.com

Generator Sets

Johannesburg
47 Galaxy Avenue
Linbro Business Park
GPS: S 26° 4' 10.92" E 28° 6' 45.88"
Tel: +27 (0) 11 723 6000
gensets@zestweg.com

Generator Sets & Panel Division

Cape Town
13 Benbow Avenue
Epping Industrial 1
GPS: S 33° 55' 48.65" E 18° 32' 12.6"
Tel: +27 (0) 21 507 7200
gensets@zestweg.com

Shaw Controls

Low and Medium Voltage Packaged
Switchgear Solutions
18 Mt. Ida Road, Robertsham
GPS: S 26° 14' 43.8" E 28° 00' 59.3"
Tel: +27 (0) 11 434 8100
info@shaw.zestweg.com

WEG Transformers Africa

Locally Manufactured Transformers and Mini
Substations, Transformer Services and Repairs
Wadeville
38 Van Deventer Street
Wadeville, Germiston
GPS: S 26° 15.941' E 28° 12.46'
Tel: +27 (0) 11 827 3458
wta@zestweg.com

Heidelberg

11 Marconi Street
Heidelberg
GPS: S 26° 31' 7.54" E 28° 21' 33.28"
Tel: +27 (0) 16 349 2683/4/5
wta@zestweg.com

Richards Bay

78 Alumina Alley
GPS: 28°45'27.414"S 32°1'30.586"E
Tel: +27 (0) 35 797 3999
wta@zestweg.com

