



# MCA GROUP

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**YOUR TURNKEY  
SOLUTION  
PARTNER.**

**ELECTRIFICATION | AUTOMATION | INNOVATION**



**Established in 1994, MCA has grown into the market leader, providing local products and services that meet international standards in both medium and low voltage assemblies, due to our commitment to:**

- **OUR HEAD OFFICE**
- **Situated in Johannesburg, 5.6 km from OR Tambo International Airport.**
- **Comprises a total of 14000m<sup>2</sup> of workshop floor 6000m<sup>2</sup> state of the art under roof, E House Containerised manufacturing facility 8000m<sup>2</sup> Hosts in-house Sivacon and Simoprime Panel Making.**
- **Equipment manufactured on a state of the art Trumph CNC machinery.**
- **Flexible, dedicated project partner offering customized electrical and automation product packages on time and within budget.**
- **Customer focused and highly flexible to meet the scope of works.**
- **Proudly 100% African manufacturing company.**



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# MV EQUIPMENT



## Medium Voltage Solutions:

- Siemens Simoprime partner.
- Manufacturing facility in Johannesburg, South Africa.
- Siemens Simoprime Partner - up to 17.5kV.
- According to IEC 62271-200 and VDE 0671-200.
- The perfect combination of technology, reliability, quality and service.
- MV switchgear and VSD packages availability.
- Air insulated switchgear.



# LV EQUIPMENT



- 100% Locally manufactured German designed solutions.
- Siemens Sivacon partner - Sub-Saharan Africa.
- LV assemblies fully type tested to IEC 61439-1,2.
- Fully type tested for Internal Arc IEC 61641.
- Offers solutions across a wide range of brands.
- Steelwork and copper designed and manufactured 100% in house.
- MCC replacement and refurbishments.
- Low voltage arc detection systems.
- VSD panels and solutions.



# AUTOMATION



## AUTOMATION AND ENERGY MANAGEMENT SYSTEMS:

- PLC and remote IO cabinets.
- Control desks and mobile control rooms.
- Modular mobile control rooms.
- Server cabinets and networking equipment.
- SCADA and DCS systems and engineering.
- PLC software and commissioning.
- IT equipment .
- Drivers' desks and control stations.





# PROUDLY AFRICAN MADE IN JOHANNESBURG, SOUTH AFRICA

## IN HOUSE CAD

- In House CAD Design Solutions.
- Siemens Simaris MCC Software.
- WS CAD - Electrical Design.
- Eplan - Electrical Design.



**“We buy local, we  
build local, we are  
local, but we deliver  
globally”**

**-Dion Fourie - Managing Director MCA**





# MCA Projects Turnkey Solutions

- Established in 2018.
- Project management and detailed engineering.
- Low voltage solutions.
- Medium voltage solutions.
- Electrical motor and VSD supply.
- Automation, instrumentation, energy control systems.
- Modular / mobile substations.
- Instrumentation installation and construction management, cable racking and plant lighting.
- Minisubs & Transformers – dry type and ONAN.
- Generators, renewable energy and energy storage.

**“Approaching every project from a strong project management foundation, coupled with a culture of pro-active open communication, quick decision making, and fast execution will always result in successful project solution.**

**The key is the culture, the mindset of all employees it cannot be forced it must be nurtured towards the desired result, aligned to the correct mission, vision and values of the company. If we combine this approach to world-class product, the results will speak for themselves. The only way to achieve excellence is not to measure yourself against competition it is to always strive to exceed expectation.”**

**- Francois Fourie – Managing Director MCA Projects.**





Natref - PONTICELLI SOUTH AFRICA (Pty)  
Ltd – Natref Refinery - MCC consists of a  
SIL 3 bus with TUV approval

# Containerised Substations & E Houses

- Enhances installation time thanks to plug and play.
- Cost saving, reduces set up and relocation expenses.
- Comprehensive MV and LV portfolio of power options.
- Containerised substation solutions for both MV and LV applications.
- Full custom E-house solutions.
- Customised mini substations.
- Manufactured to specifications and according to region & environmental requirements.







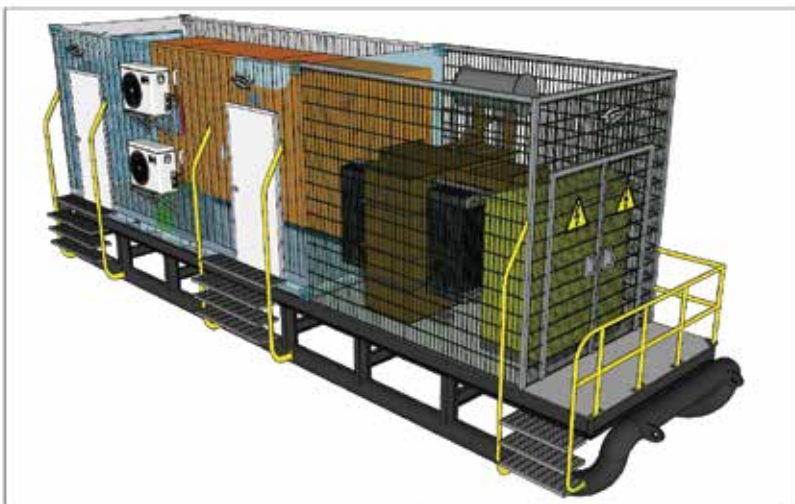
2 x 2000kVA transformer 33000-550V  
Open Cast Skid Substations with  
600kW Mounted VSD's

# Modular Skids

- Containerised Substation – excellent for extreme environments and specific client requirements.
- Containerised Substation – fitted LV/MV switchgear, PLC, VSD's, RMU's, Transformers, Fire protection.
- Containerised Substation – portable power solutions, robust, plug and play, ready to use.
- Mobile outdoor skids for both MV and LV applications.
- Transformer skids.
- Mobile control rooms.



ABC Ventilation Systems -  
Transformer mounted Ventilation skid





# VALUED CLIENTS



## OUR VALUED LOCAL CLIENTS



SCAW Metals MCC - Anglo American



Exaro Belfast Turn-Key



## OUR VALUED INTERNATIONAL CLIENTS



LNG Mozambique Containerized minibus Phase 1



LNG Mozambique Containerized minibus Phase 1



ZIMBABWE - SOLAR



ARC Vented container De Beers Botswana



Containerized MCC & Specialised Wall Mounted VSD's - Delivered to Africa

Containerized MCC - Delivered to Africa DRC



Cambodia



Siids - Botswana





LNG Mozambique Containerized minisubs Phase 1



Skids - Botswana

Medium Voltage Assemblies

Automation and Management Systems

Low Voltage Assemblies

Projects Management and Engineering



ELECTRIFICATION | AUTOMATION | INNOVATION



VSD and Electrical Motor Supply



Transformers Dry Type and Oil Type ONAN



Mobile E House Solutions



Containerised Solutions



Instrumentation and Power cable Supply Installation

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