

# COMPANY OVERVIEW

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# MITCH MCALLISTER

Founder and Managing Director of **Power Plant Electrical Technologies (Pty) Ltd**

Mitch McAllister is the founder and Managing Director of Power Plant Electrical Technologies, where he offers senior consulting and advisory services to industrial and mining clients throughout South Africa. As a professionally registered engineer and a Senior Member of the South African Institute of Electrical Engineers, he boasts some 40 years of specialized engineering expertise in the industry.

## **Early Life and Career Development**

Born in Rhodesia in 1965, Mitch began his professional journey in industrial instrumentation before shifting his focus to electrical engineering. He earned his National Diploma in 1987 and completed his GCC in Electrical Engineering in 1989. His early career in pulp and paper manufacturing included positions as a Project Engineer and a Plant Maintenance Engineer, where he established a solid technical foundation and earned a reputation for practical, solution-oriented leadership.

By 1995, he had advanced to the role of Senior Engineer, overseeing project development, long-term maintenance planning, and complex problem-solving concerning industrial power plants and reticulation systems and process plant systems and equipment. Over the years, he became renowned as a specialist in these areas, particularly in high-risk, high-complexity environments.

## **Founding Power Plant Electrical Technologies**

Recognizing an opportunity to expand his influence, Mitch founded Power Plant Electrical Technologies in 1998. The initial focus was on project and consulting services within the Pulp and Paper sector, which has since evolved into a fully integrated electrical engineering firm. Under his guidance, the company now provides studies, design, manufacture, equipment supply, installation, and commissioning across high-, medium-, and low-voltage systems, in addition to advanced control and automation solutions for a variety of industries.

## **Commitment to Excellence**

Mitch remains actively engaged in shaping the company's strategy and supporting clients with his extensive, cross-disciplinary knowledge. He diligently monitors both local and international market trends to position the company for sustainable growth, ensuring its services stay at the cutting edge of specialized engineering capabilities.

His professional principles are unwavering: to deliver exceptional service, maintain uncompromising professionalism, unpinned by honesty and integrity, and provide reliable, competent engineering solutions that not only meet but exceed client expectations.



# ABOUT US & CERTIFICATIONS

Power Plant Electrical Technologies is an Integrated Electrical Engineering Organisation, focused on supplying high end systems and solutions to mining operations, utilities and industry. We design, manufacture, supply, install and commission electrical, control and instrumentation solutions.

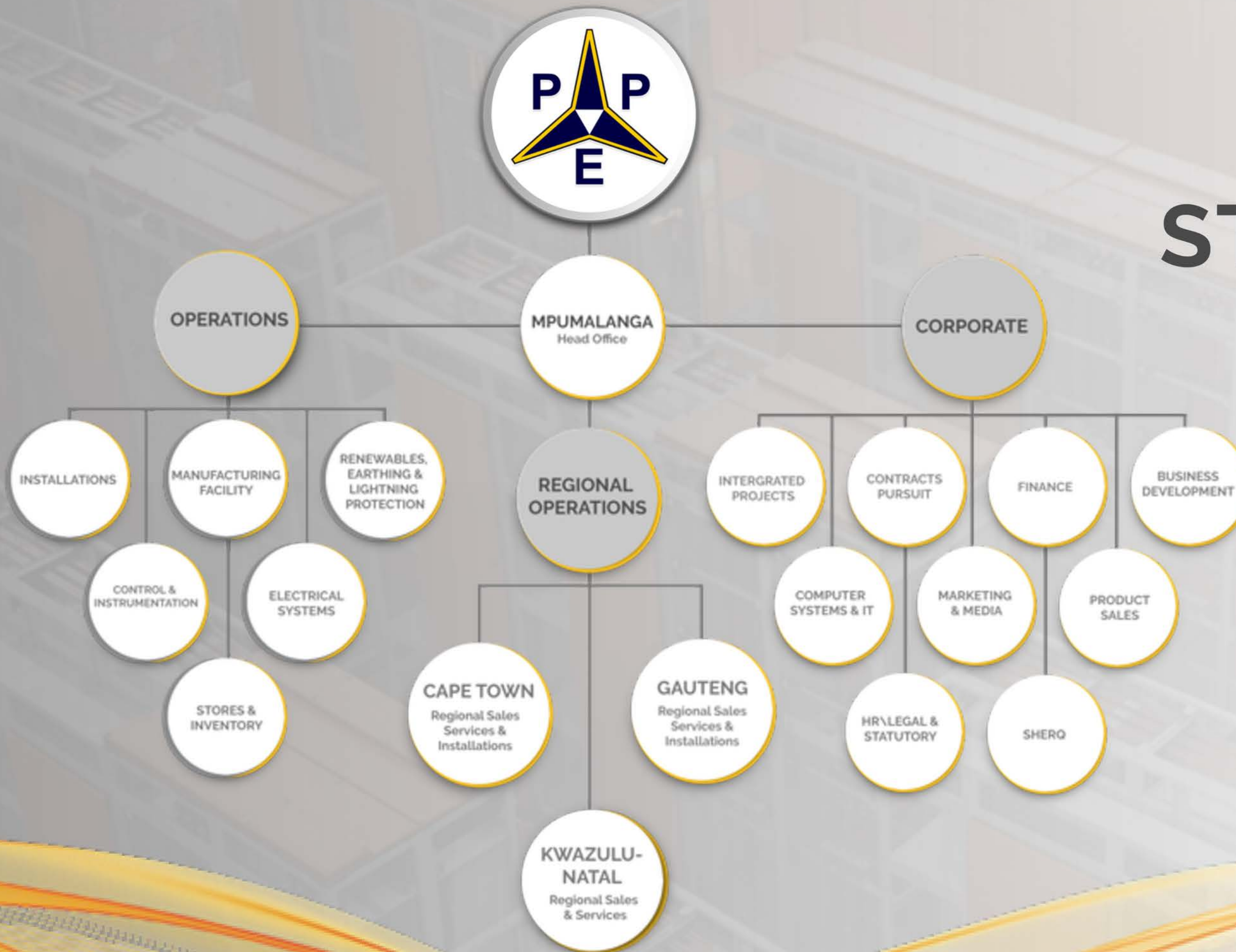
Power Plant Electrical Technologies (Pty) Ltd, is certified in various specialist degrees:

- SANS 1973-1 & SANS 1973-3:2017 for IEC 61439 (Reg No - 10392/16413)
- TUV Rheinland ISO 45001:2018 (Reg No – 01 100 161874)
- TUV Rheinland BS OHSAS 9001:2015 (Reg No – 01 113 060716)
- ABB International Authorized Value Provider
- ABB Service Provider
- CIDB Grade 8EP (Reg No – 114085)
- We are BBBEE Level 1 contributor
- South African Association for Energy Efficiency (SAEE)
- South African Photovoltaic Industry Association (SAPVIA)



# COMPANY STRUCTURE

The company comprises Operations, Regional Operations, and Corporate divisions, each crucial for success. Together, these divisions support company goals and competitiveness.





# VISION & MISSION STATEMENT

**We are dedicated to helping our customers reach their production and efficiency targets. We aim to utilize our knowledge, experience, and expertise to support this objective.**

## VISION

To achieve regional domination and maintain a Multi-National presence in Electrical Engineering Consulting, Project Execution, Installation, and Supply, while maintaining flexibility through an efficient and dynamic core structure offering a differentiated service.

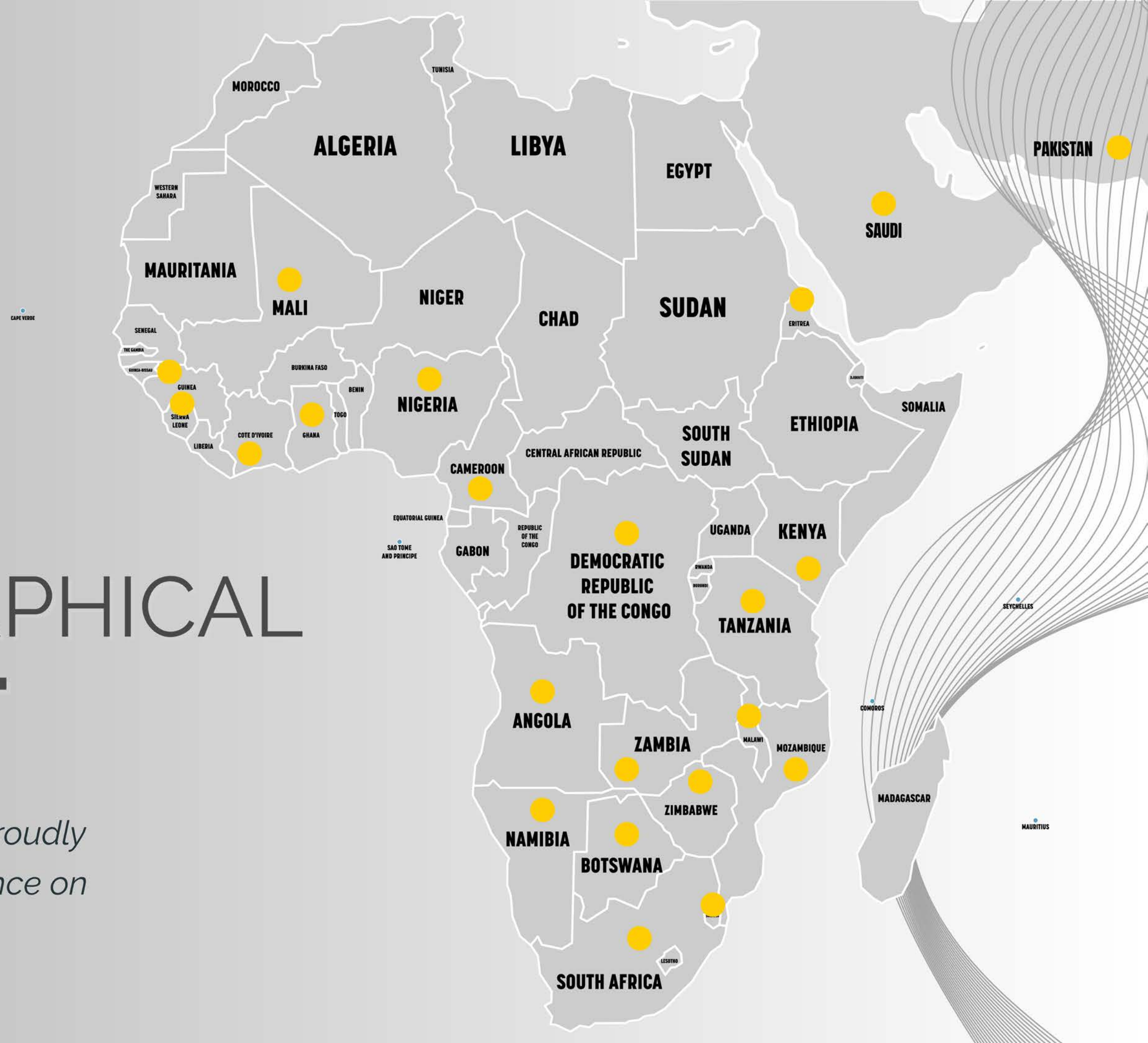
## MISSION

To provide a world class, differentiated service, focused on adding value to the customers process, whilst addressing customers' needs in a professional and dynamic manner.



# OUR GEOGRAPHICAL FOOTPRINT

*Power Plant Electrical Technologies proudly showcases nearly 30 years of experience on projects across Africa and beyond.*



# OUR MARKET SEGMENTS

MINING & METALS

MARINE

OIL & GAS

RENEWABLES

POWER GENERATION

COMMERCIAL BUILDINGS

PULP & PAPER

DATA CENTERS

RENEWABLES

FOOD & BEVERAGE



# MANUFACTURED SOLUTIONS SNAPSHOT

Our manufactured Flex Range provides ready-to-deploy solutions engineered around real industrial challenges, reducing lead times and simplifying implementation.



DRIVE-FLEX:  
CABINET DRIVES



Q-FLEX: POWER FACTOR  
CORRECTION



IM-FLEX: INSULATION  
MONITORING



GEN-FLEX: LV & MV  
GENERATOR PROTECTION



CONTROL-FLEX: LV  
SWITCHBOARDS



RETRO-FLEX: MV  
RETROFITS



ISO-FLEX: MV ISOLATORS



MAG-FLEX: TRANSFORMER  
PRE-MAGNITISATION



MV-FLEX: MV  
SWITCHBOARDS



PREMI-FLEX: E-HOUSE



# OUR SERVICE OFFERINGS

## FACTORY & MANUFACTURING

- Motor Control Centre Panels
- Power Distribution Boards
- Power Factor Correction Panels
- PLC's & DCS Boards
- Medium Voltage AIS Primary Switchgear
- Medium Voltage GIS Primary Switchgear
- Bus Bar Manipulation
- Custom LV & MV Panels
- Custom Panels and Switchboards
- Retrofit Switchgear

## INSTALLATIONS

- Low & Medium Voltage Switchgear Retrofits
- Hazardous Areas Design & Installation
- Industrial and Process Plant E&I
- Mining and Beneficiation Plants E&I
- Onsite Maintenance & Testing

## ENGINEERING

- Load Flow Studies
- Electrical Protection Grading
- Earthing System Design
- Power Factor Correction
- Electrical, Instrumentation & Control Systems
- System Design & Commissioning
- Shutdown, LV & MV Maintenance

## SYSTEM INTEGRATION & PROJECTS

- Project Integration & Management: Engineering through to lifecycle support
- Process Automation & Measurement: Accurate measurement and automated response for stable plant performance
- Complete MV & LV Reticulation Systems: Reliable power delivery from source to load
- Renewable Energy Solutions: Grid-compliant power from generation to use

# MARKET DIFFERENTIATORS

## What Sets Us Apart?

We approach every challenge with technical insight, disciplined execution, and a commitment to integrity. Our focus is on delivering the right engineering solution, fit for purpose.

We translate complex electrical and automation challenges into reliable, engineered solutions, combining technical depth with practical execution to deliver results our clients can depend on. Our offering starts at conceptual design and continues through to final commissioning and service support thereafter.

Our aim is to exceed expectations, respond effectively to complex requirements, and deliver dependable performance and efficiency across every project. With extensive experience, substantial stock inventory, and strong manufacturing capability, we provide rapid turnaround times supported by expert advice and robust technical solutions.



# OUR FACILITIES

**Our Head Office premises located in the economic hub of Nelspruit, Mpumalanga. We have sales and service offices in Gauteng, the Western Cape, and KwaZulu-Natal.**

At present, we have a 100kW solar arrays powering our buildings, aligning with our commitment to a more sustainable economy.

As pioneers in renewable solutions and ethical corporate practices, we aim to expand our clean energy initiatives. Additionally, our eco-friendly building features a community garden and a rainwater recovery system.



(Nelspruit, Mpumalanga Head Office arial image)



**NELSPRUIT  
MPUMALANGA**



**SILVERTON  
GAUTENG**



**MILNERTON  
WESTERN CAPE**



**LALUCIA  
KWAZULU-NATAL**



# CONTACT US



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