



PREMISE

ENGINEERING SERVICES

**ENGINEERING
POSSIBILITIES,
SHIFTING LIMITS.**

Premise Engineering Services
Product Guide 2024





INTRODUCING PREMISE ENGINEERING SERVICES

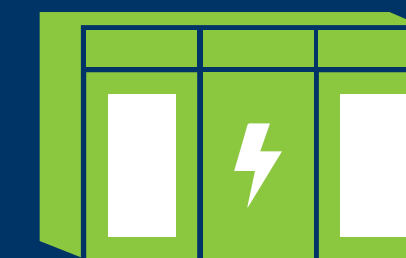
We are a global company dedicated to providing engineering technical support to mining, agriculture, industrial and commercial businesses. Premise is run by highly qualified and competent engineers with technical experience in relevant engineering fields.

Our goal is to assist our customers in operating efficiently and effectively by delivering high-quality technical services. We are passionate about identifying and implementing the optimal solutions tailored to meet the unique requirements of each client.

OUR SERVICE AREAS:



**POWER
ELECTRONICS**



**SMART GRID
ENERGY STORAGE**



**POWER
ELECTRICAL**



**EQUIPMENT REPAIR
AND SERVICE**



**POWER SYSTEM DESIGN
AND DEVELOPMENT**

WHAT WE DO

PREMISE Engineering Services provides engineering and technical support to the mining industry, specialising in power electronics, power electrical and mechanical engineering.

OUR CLIENTS COUNT ON US FOR:

- 01 Uninterrupted power supply UPS service and installation
- 02 Harmonic and power factor correction
- 03 Equipment calibration
- 04 Equipment installation and commissioning
- 05 Transformer repairs
- 06 Electrical power analysis
- 07 Field testing
- 08 AC switchgear for complete system integration and safety
- 09 Control panel boards and control boxes
- 10 DC current measurement



We offer a Planned Preventative Maintenance programme to maximise our clients' productivity and electrical safety, and minimise any possible downtime.

- Full electrical inspection & test service
- Pump repair and maintenance
- Electric motor servicing
- Transformer maintenance
- Rectifier service and maintenance
- Engineering maintenance management systems



**WE WORK WITH AND SUPPLY
ONLY TOP QUALITY PRODUCTS:**

- Transformers
- Rectifiers
- Energy storage inverters
- Electronic spare parts
- DRIVERS: Dedicated fibre optic gate driver for each IGBT.

OUR SERVICES INCLUDE:

» **CURRENT SENSING:**

Independent IGBT current sensing.

» **DEVICE COOLING:**

Direct cooling of module heat sink plates via inner loop circulated water.

» **TEMPERATURE SENSORS:**

Heat sink over-temperature protection for each module.

» **DEVICE FUSES:**

Coordinated semiconductor fuses with visual indication of activation for each IGBT.

» **BUSWORK:**

Laminated copper bus designed to maintain low bus impedance and minimise voltage overshoot.

» **HEAT SINKS:**

Water-cooled copper for efficiently cooling isolated modules to maintain low junction temperatures.

» **FLOW PROTECTION:**

Complete system with flow detectors.

» **PLCS**

» **THYRISTORS**

PEACE OF MIND THROUGH TECHNICAL SUPPORT



At PREMISE, we provide an extensive portfolio of Engineering Services, ensuring exceptional coverage of your technical requirements through our single-source capability, worldwide resources, local coverage, and rapid response.

**CALL +260 97 632 7202 TO SPEAK WITH
A TECHNICAL SUPPORT SPECIALIST**

- » We offer a 24-hour technical service line, 7 days a week.
- » We offer on-site or phone support for all brands of rectifiers.
- » We provide a domestic and International on-site service within 48 hours.
- » A same-day emergency service is also available.



WIRES AND CABLES

We provide electrical and electronic cables engineered to excel in demanding environments, offering a comprehensive range of wire and cable options suitable for various temperatures and operational settings.

We are an OEM supplier renowned for delivering high-quality cables tailored for TPC wires and cables.

OUR STOCKED PRODUCTS INCLUDE:

Defender®

Antimicrobial cables specifically designed to combat bacteria, fungus, and mould growth on the cable jacket, ensuring hygienic and safe environments.

Super-Trex®

Featuring high-performance portable cords, portable power cables, multi-conductor cables, and welding cables meticulously crafted to withstand harsh conditions.

Chem-Gard™

Tailored for a wide array of applications where exposure to heat, cold, or extreme chemicals could impact cable performance, offering robust protection and reliability.

Trex-Onics®

We provide shielded electronic control cables available in multi-conductor, multi-pair, and individually shielded pairs configurations to meet diverse application needs.

Thermo-Trex®

We offer single and multi-conductor cables with ratings spanning across a broad range of temperatures and operating conditions, along with a selection of mechanical connectors and accessories to ensure seamless integration and operation.

WE ARE COMMITTED TO HEALTH & SAFETY.

We understand that our industry's most valuable asset is its people. At PREMISE, we uphold rigorous standards of health and safety, with our key objectives aimed at preventing accidents, injuries, and environmental damage to the best of our ability.

WHAT THIS MEANS:

We strive to furnish and upkeep equipment, machinery, and working systems that are inherently safe and pose no risks to health.

We ensure that all handling, storage, or transportation of articles or substances poses no threat to the health and safety of any individual, including those not in our employment.

Information, instruction, training, and supervision are provided as necessary to safeguard the health and safety of all employees while at work.

We maintain safe premises and ensure secure means of access to and from any workplace under our control.

Our working environment is meticulously crafted to be free of hazards, ensuring the health and safety of all individuals involved.



OUR PEOPLE

At PREMISE, we make excellence a daily habit. Our team members are all highly motivated to engage in projects with the aim of attaining utmost client satisfaction. That is what sets us apart and makes our clients feel safe to engage with us time and again.



CONTACT US

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COMPANY DETAILS

Registered name:	Premise Engineering Services Limited
Company registration no:	120210025679
Tax identification number (TIPN) PAYEE REG no:	2221203265
Management:	Curthbert Serenje, CEO