



Electrical | Energy

Industrial Solutions



Index

Electrical Solutions for Industry	01 - 02
Lighting Products and Solutions	03 - 04
Engineered Energy Solutions	05

Electrical Solutions for Industry



We have skilled engineers with a proven track record who provide bespoke solutions with a focus on energy and sustainability. Our offer includes project scoping, design, supply, and commissioning.

Our areas of expertise are:

- Mini Substations / Transformers
- MV Switchgear
- LV Switchgear
- Smart Metering
- Power Quality and Load Analysis
- Thermal Imaging
- Power Factor Correction
- Tariff Analysis
- Air Compressor Leakage Assessments
- Surge Protection
- Earthing, Lightning Protection & Bonding Assessments
- Electrical Distribution Boards / Motor Control Centres
- Electrical Reticulation
- Back-up Power
- UPS & Generator Solutions
- SCADA & PLC Solutions
- Automation and Motor Control



**Engineered
For Performance**



**Built
For Reliability**



**Designed
For Efficiency**

Electrical Services for all Electrical Infrastructure

Electrical Switchgear (MV&LV), Motor Control, & Automation

- Audit and Reports
- Fault Finding and Trouble Shooting
- Servicing and Testing
- Retrofits
- Upgrades
- Testing and Commissioning

Power Management

We conduct load recordings and analysis to support energy efficiency initiatives, PV solar sizing, generator selection, factory upgrades, power factor improvements, and electrical tariff optimisation.

Acoustic Imaging Audits

Acoustic imaging is a proactive maintenance technology that enables early detection of electrical and mechanical faults — before they become costly failures. We offer acoustic imaging audits as a first line of defence against unplanned downtime:

- Leak Detection
- Mechanical Inspection
- Partial Discharge Detection

Power Quality Assessments

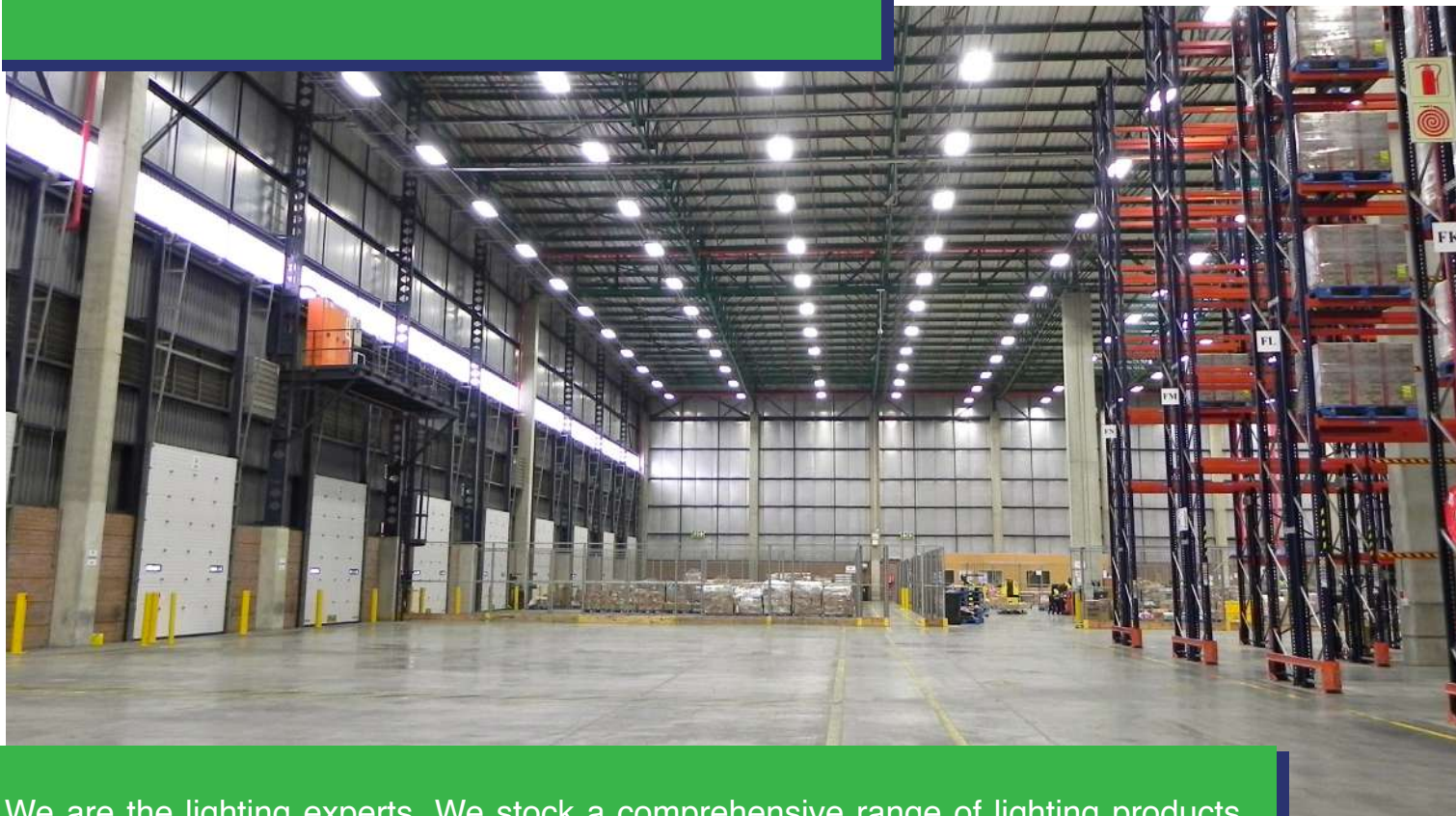
With a fleet of 15 calibrated PQ meters and a team of qualified technicians and engineers, we conduct thorough on-site assessments of your local electrical network. Our analysis covers voltage dips, surges, harmonics, unbalanced loads, and transients — delivering a detailed report with clear remedial recommendations and a turnkey implementation solution.

Compliance - Thermal Imaging

We provide auditing of electrical infrastructure for health & safety compliance. Through thermal imaging inspection, we develop a comprehensive report and recommendations for remedial works.



Lighting Products and Solutions



We are the lighting experts. We stock a comprehensive range of lighting products to suit your requirements. We have trained engineers who specialise in projects with a strong focus on compliance, energy efficiency and sustainability.

Let us supply you with all your lighting needs:

Indoor Lighting:

- Highbays
- Dustproof
- Bulkheads
- Retail Linear Lighting
- Explosion Protected
- Emergency Lighting
- Panels
- Downlights

Outdoor Lighting:

- Floodlights
- Outdoor Bulkheads
- Street and Amenity
- Water & Dustproof
- Solar Lighting



Engineered Solutions for all Lighting Infrastructure



Value packed lighting solutions and designs

Let our team of experienced lighting engineers give you a solution to cater for your specific needs.

Audit

To assess OHSACT compliance, energy efficiency & emergency lighting requirements

Design

Using latest simulation software ie: Relux and Dialux

Greenfield sites

Brownfield sites

Full Solution

Design, supply, and commission

Alternate Funding Models

Shared savings

Magnet Capital finance solutions



**Guaranteed product
life expectancy**



**Guaranteed Energy
saving Calculations**



**Return of Investment
Calculations**

Engineered Energy Solutions

Back-Up Power

Equip your facility with a back-up power system and receive uninterrupted power supply during load shedding and power outages.

- Inverters
- Batteries
- Battery energy storage systems (BESS)
- Generators
- Uninterrupted Power Supply (UPS)

We offer solutions bespoke to your facilities needs:

Audit

To assess clients specific requirements

Design

Using latest simulation software ie: Helioscope, Cad
Greenfield sites
Brownfield sites

Full Solution

Design, supply, and commission

Alternate Funding Models

PPA
Rent-to-own



**Engineered
For Performance**



**Built
For Reliability**



**Designed
For Efficiency**

Genset



UPS



BESS



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