KRONE ELECTRICAL LIMITED

ELECTRIFYING CONCEPT

ELECTRICAL INSTALLATION · MAINTENANCE · SUPPLY — SINCE 2012

WHEN THE GRID GOES DARK,
OUR WORK STAYS LIT.



COMPANY PROFILE

Krone Electrical (Pty) Ltd · Reg. 2012/163518/07

Who We Are

Krone Electrical (Pty) Ltd was established in September 2012 with one aim: to help companies reduce their maintenance costs. Today we install, maintain and certify electrical systems for commercial, industrial and public clients across South Africa.

2012
Operating since

25
People on the team

COC
Issued for hospitals, malls, petrol stations and labs

R50m+
Project experience, from small works to R50 million-plus contracts

ABOUT US

Krone Electrical is owner-managed. Our founder holds qualifications in Electrical Engineering as well as a Wireman's Licence.

Our team of 25 includes directors, managers, a Master Installation Electrician, a junior procurement officer, qualified electricians, electrical assistants and general labourers.

Clients can expect high performance and reliability from every product we supply, lower running costs, and the peace of mind that comes with work done to the highest standard.



REGISTERED AND ACCREDITED

DoEL registered
Electrical contractor

ECB registered
Conformance Board

ECA member
Electrical Contractors' Association

SACPCMP
Registered professional

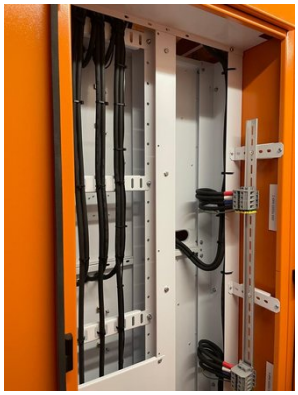
Master Installer
Signs off our COCs

Wireman's Licence
Held by our founder

Black owned
100% Black ownership







Accreditations

Electrical work in South Africa is regulated by law. These registrations mean Krone is allowed to do the work, test it, certify it and stand behind it. Copies of every certificate are available on request.

Krone Electrical (Pty) Ltd · Reg. 2012/163518/07 · registered 7 September 2012

Registered electrical contractor DEPARTMENT OF EMPLOYMENT AND LABOUR	Registered under the Electrical Installation Regulations. Only registered electrical contractors may legally carry out electrical installation work.
Master Installation Electrician ON OUR STAFF	The highest category of registered person. Our Master Installer inspects, tests and certifies any installation, including specialised ones such as hazardous locations, and issues the Certificate of Compliance.
ECB registered ELECTRICAL CONFORMANCE BOARD	Registered with the Electrical Conformance Board of South Africa, which promotes compliance of electrical installations and products with national standards.
ECA member ELECTRICAL CONTRACTORS' ASSOCIATION	Member of the ECA(SA), the employers' organisation for electrical contractors in South Africa.
SACPCMP registered CONSTRUCTION MANAGEMENT COUNCIL	Our team includes a professional registered with the South African Council for the Project and Construction Management Professions.
Wireman's Licence HELD BY OUR FOUNDER	Our founder holds a Wireman's Licence and an Electrical Engineering qualification, so technical standards are set from the top.
Letters of reference SENTECH AND UNISA	Sentech (LV reticulation at the Nasrec transmitter station, R709,184.79 incl. VAT) and UNISA (projects from 2018 to 2019, R1,050,000) both confirm our work was completed safely and to their satisfaction.

CIDB grading

4EB PE, plus 1GB, 1EP, 1ME and 1CE. CRS 10154178.

B-BBEE

Level 1, 135% procurement recognition. 100% Black-owned.

Tender documents

Company registration, CIDB and B-BBEE certificates and letters of reference, available on request.

What We Offer

From new installations to emergency fault finding, our services are grouped around what clients need most: getting power in, keeping it on, proving it is safe and protecting against outages.

01 **Installations**
New installations and upgrades, from the main incomer to the last light fitting. PAGE 5

02 **Maintenance and fault finding**
Planned maintenance and fast fault finding, on short or long-term contracts. PAGE 6

03 **Certificates of Compliance**
COCs issued by our own Master Installation Electrician. PAGE 7

04 **Power and energy**
Generators, UPS and inverters, transformers, and LED and solar lighting. PAGE 8

05 **Supply**
Electrical products for contractors and businesses, through the Krone online shop. BELOW

WHO WE WORK FOR

Municipalities | Utilities | Universities and schools | Hospitals | Shopping malls and retail | Petrol stations | Factories and industry | Commercial buildings | Homes



05 · SUPPLY

The Krone shop

Alongside our contracting work, we supply electrical products to contractors, electricians and businesses through our online shop.

- Lighting
- Switches and sockets
- Cables
- Distribution gear
- Instruments

Installations

New installations and upgrades for commercial, industrial and public buildings, planned, installed, tested and certified by one team.

Distribution and switchgear

- Electrical panels and switchboards
- Main incomer and distribution board upgrades
- Low-voltage reticulation and kiosks
- Electrical reticulation

Buildings and machinery

- Electrical installations for new builds and refurbishments
- Re-wiring of houses, office blocks and industries
- New machine installations
- Geyser connections

Cabling

- Cable installation
- HT cable joints

Lighting

- High bay lights
- LED lighting
- Traffic lights for municipalities



Main incomer: air circuit breaker, busbars and CTs.



Air circuit breaker on colour-coded copper busbars.



Track lighting and cable trays in a new SPAR store.

RECENT EXAMPLE **UNISA, OR Tambo Building:** a new 400 V main incomer panel, from GA drawings to testing, commissioning and COC.

Maintenance and Fault Finding

Maintenance means fixing electrical equipment when it fails, and the planned care and checking that stops breakdowns happening in the first place. We provide it at industrial, commercial and residential levels.

WHAT OUR MAINTENANCE WORK INVOLVES

- Re-wiring of houses, office blocks and industries
- Fault finding and repair
- Repair of faulty lights, switches and plugs
- Repair of tripping switches
- Assistance with power supply issues
- General electrical repairs
- Connection of hot water systems (geysers)
- Electrical reticulation



On site at a mini-substation, in full PPE.

FAULT FINDING

Fault finding is the investigation of the cause of a malfunction in electrical systems and equipment. These are the most common causes of a circuit ceasing to operate correctly:

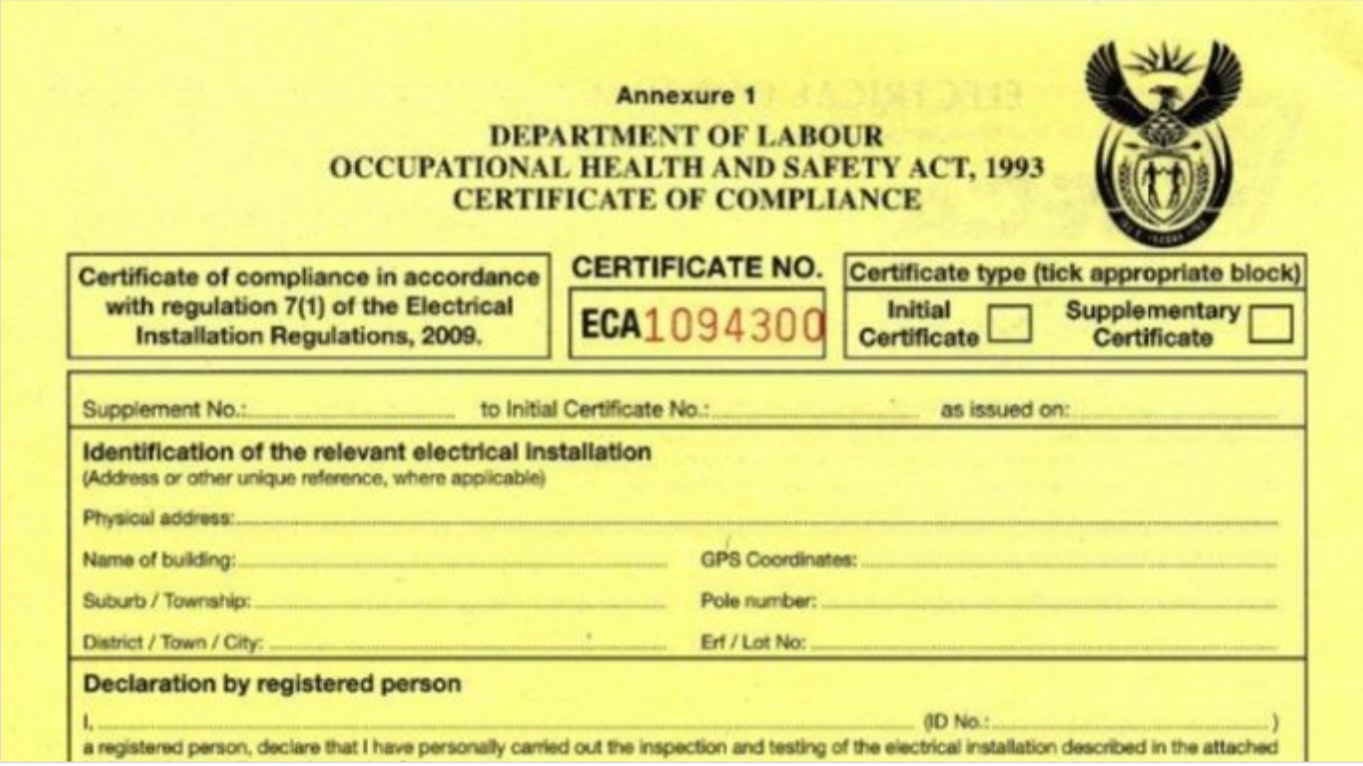
Loss of supply	**Earth fault**	**Dead short**
Protective device checks	**Defective components**	**Breakdown of control circuits**
Reversed polarity	**Initial faults on newly installed work**	**Phase rotation**

Maintenance contracts: short and long-term, at industrial, commercial and residential level.

Certificate of Compliance (COC)

A Certificate of Compliance is a uniquely numbered certificate, issued by a registered person, confirming that an electrical installation or part of an installation complies with the Electrical Installation Regulations.

We stay in constant contact with the Electrical Conformance Board (ECB), the Electrical Contractors' Association (ECA) and the Gauteng Electrical Inspectorate, so the compliance certificate we issue is as accurate as possible.



Annexure 1

DEPARTMENT OF LABOUR
OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
CERTIFICATE OF COMPLIANCE

Certificate of compliance in accordance with regulation 7(1) of the Electrical Installation Regulations, 2009.	CERTIFICATE NO. ECA1094300	Certificate type (tick appropriate block) Initial Certificate ☐ Supplementary Certificate ☐

Supplement No.: ..... to Initial Certificate No.: ..... as issued on: .....

Identification of the relevant electrical installation
(Address or other unique reference, where applicable)

Physical address: .....

Name of building: ..... GPS Coordinates: .....

Suburb / Township: ..... Pole number: .....

District / Town / City: ..... Erf / Lot No: .....

Declaration by registered person

I, ... (ID No.: .....)
a registered person, declare that I have personally carried out the inspection and testing of the electrical installation described in the attached

KRONE'S MASTER INSTALLER ISSUES COCs FOR

- **Hospitals**
- **Petrol stations**
- **Hazardous environments**
- **Laboratories**
- **Shopping malls**
- **Factories and warehouses**
- **AC and DC installations**
- **Industrial, commercial and domestic**

Power and Energy

Backup power and energy-saving systems that keep critical sites running through outages and load shedding, and cut running costs.

Backup power

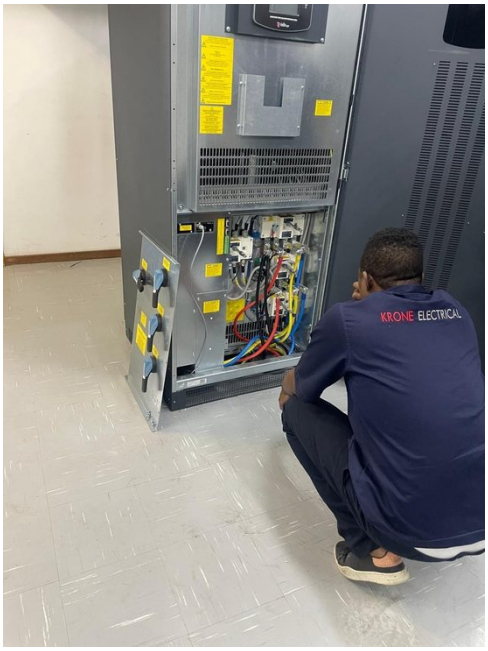
- Complete generator solutions
- UPS installations
- Inverter installations

Supply and distribution

- Transformers
- Mini-substations and MV switchgear
- 11kV transformer servicing

Energy saving

- LED lighting retrofits
- Solar-powered street and area lighting
- Energy saving projects



UPS installation and connection.



Standby generator installation and earthing.



Mini-substation on a new plinth.



MV switchgear and cable terminations.

EXAMPLES

GUD Filters, Isando
11kV transformer services

Ditloung Community
Solar-powered street lighting

Buffelsberg Shell
LED lighting

Our Team

A team of 25 electrical professionals and support staff, with a Master Installation Electrician on staff to test and certify every job.



WHO IS ON THE TEAM

- **Directors**
- **Managers**
- **Master Installation Electrician**
- **Junior procurement officer**
- **Qualified electricians**
- **Electrical assistants**
- **General labourers**

Training and development

Key to Krone's success has been hands-on experience, coupled with training and development within the company.

On every site

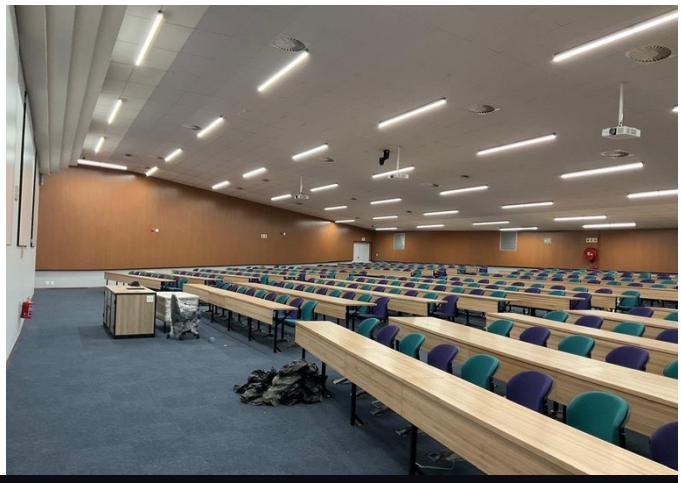
Our teams work in Krone uniform and travel in branded company vehicles, so clients always know who is on site.





Our Projects





NEW LECTURE HALLS

North-West University

SALA lecture halls, Mmabatho

Electrical works for the new SALA lecture halls on North-West University's Mmabatho campus, including lighting for a 350-seat lecture hall and power to the ICT, battery and distribution board rooms.



UNIVERSITY OF SOUTH AFRICA

UNISA, including the OR Tambo Building

Projects from January 2018 to March 2019: supply and inspection for the installation of field instruments, cable trays, junction boxes, control panels, marshalling cabinets and power distribution boards; instrument process and pneumatic hook-up; and laying, termination and testing of instrument, power and fibre optic cables. In 2023 we upgraded the OR Tambo Building's main incomer with a new 400 V panel.

2018 to 2019 projects: R1,050,000

> *"This certificate is being issued in appreciation for their excellent performance and contribution for safe completion."*
> Maintenance Manager (Electrical Engineer), UNISA University Estates

11KV TRANSFORMER SERVICES

GUD Filters, Isando

Cable jointing, transformer testing, fault finding, maintenance and repairs on 11kV transformers, carried out daily.

SOLAR STREET LIGHTING

Ditloung Community

Solar-powered street lights that light up the community at night.

SERVICE STATION LIGHTING

Buffelsberg Shell

An energy-efficient LED lighting solution for the service station.

More Projects



LOW-VOLTAGE RETICULATION

Sentech, Nasrec transmitter station

Low-voltage electrical reticulation and a kiosk box at Sentech's Nasrec transmitter station, a highly sensitive site. Sentech confirmed the work was done to their satisfaction.

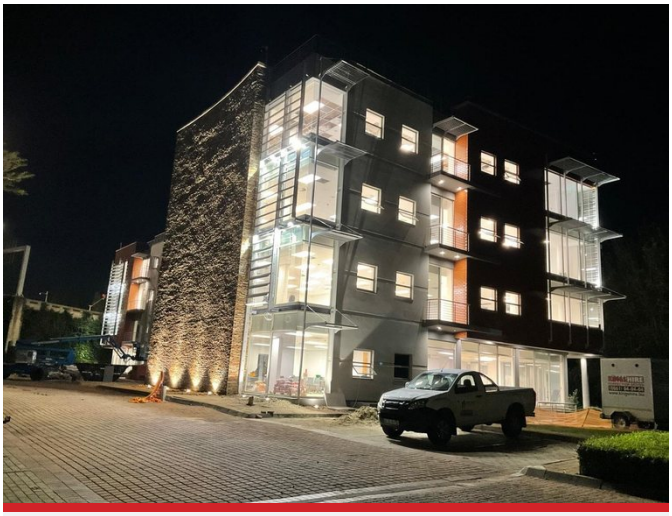
R709,184.79 incl. VAT



RETAIL

SPAR

Electrical installation and lighting for a new SPAR store, including LED linear lighting and track lighting.



COMMERCIAL OFFICES

Riverwalk Office Park

Electrical installation and lighting at Riverwalk Office Park, a Broll Property Group site, including exterior feature lighting.



UTILITIES

Rand Water

Pump motor replacement and electrical connection on a Rand Water pump set.

Our Clients

From national utilities and universities to hospitals and retail groups, these are the organisations we have worked with.

Government & public sector

- City of Ekurhuleni
- SA Weather Service
- Agricultural Research Council

Utilities & energy

- Eskom
- Rand Water
- Sentech
- Astron Energy

Education

- UNISA
- North-West University
- Phomolong Secondary School

Healthcare

- Chris Hani Baragwanath Hospital

Commercial & retail

- SPAR
- Broll Property Group

Industrial

- KLT Automotive
- GUD Filters

Safety and Quality

Every installation and maintenance job is carried out to local and international standards. Our approach covers the whole life of an installation, from the first design to long-term repair.

01

Plan and design

Systems are planned and designed around the site's load, safety and compliance requirements.

02

Select and install

Components are selected and installed to a high standard by qualified electricians.

03

Commission and test

Systems are commissioned and tested before handover.

04

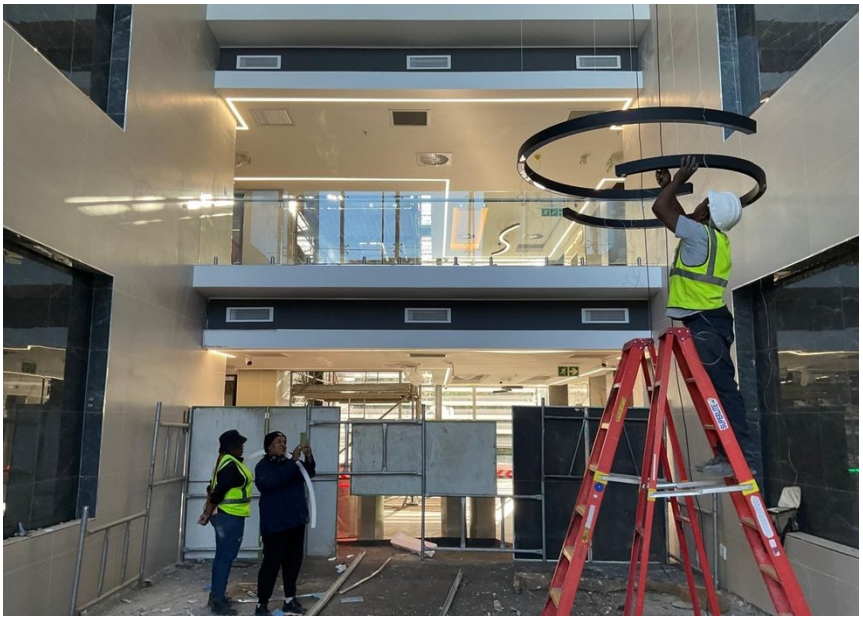
Report and certify

Test results are reported, and COCs are issued where required.

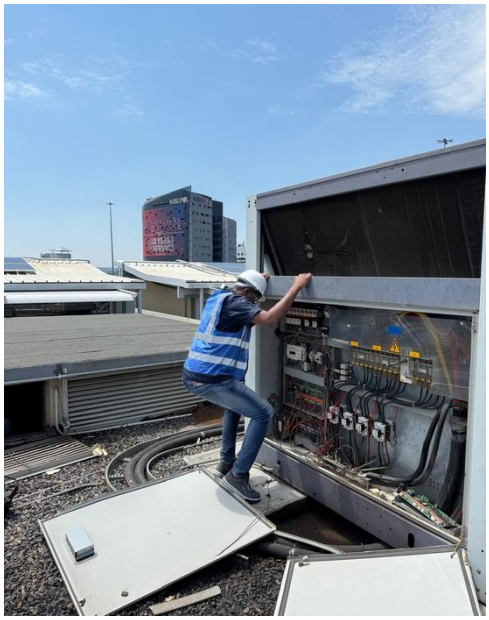
05

Maintain and repair

Planned maintenance, fault finding and repairs keep installations compliant and running.



Hard hats and high-visibility vests while installing atrium lighting.



Hard hat and vest for rooftop maintenance.

KRONE ELECTRICAL LIMITED
ELECTRIFYING CONCEPT

Our Vision

To be one of the largest electrical service providers in the country.

Our Mission

To be a reliable, accessible service provider with reasonable rates that satisfy our clients.

GET IN TOUCH

ADDRESS	126 Roan Crescent, Corporate Park North, Midrand, Gauteng 1685
TELEPHONE	(012) 023 2511
CELL	(060) 477 2937
EMAIL	info@kroneelectrical.com
WEBSITE	www.kroneelectrical.com