



Elio

ELECTRO TECH CC

Introduction

Innovation. It's the power to understand how a solution works in a new way, to unravel its complexities and respond accordingly. It comes from intelligence, experience, and insight. It's how we make revolutionization possible.

Together, Elio Electro Tech CC and Atspeed Power Electronics have 37 years of experience in electrical engineering. Allowing us to grasp all client needs, making use of leading application know-how, understanding, and experience to push the limits of technology, driving sustainable innovation and value for customers.

Since our inception in 1992, Elio's growth has been substantial. The journey from 1992 to the present has taken Elio from a small, one-office start-up business to an international organisation, with offices in South Africa and the Democratic Republic of Congo.

Along with a solid footprint on African soil, the experience and expertise of our employees provides us with a profound understanding of the opportunities and complexities that accompany projects within the African continent.

Our focus is on long-term value creation for our customers and employees, with the promise of quality, reliability and innovation deeply cemented in our DNA. We deliver an extensive range of products for various industries, stretching from mining to the food and beverage sector.

Elio Electro Tech partners with you in the development and implementation of projects, and always guarantees what is best for the client, with proven experience and the expertise to respond to various infrastructure demands. While offering design, planning, and management services.

Elio Electro Tech CC is a channel partner for some of the worlds leading electrical brands, namely ABB, CRS power equipment, and Danfoss/Vacon. While supplying Siemens, Schneider, Eaton, Alan Bradley, and CHINT, etc.

By offering a mass range of brands we can guarantee the correct product for all applications. Elio has recently launched our E-Commerce sector, opening up our product lines directly to the end-user.

Elio Electro Tech CC is famous for 'getting it right the first time'.

CRS

INDUSTRIAL POWER EQUIPMENT

Vega
700

Leading manufacturer of industrial power supplies based on switch mode technology. CRS offers a wide range of rectifiers for galvanic industries and surface finishing that can be customized to any customer requirements.



We produce **INDUSTRIAL POWER EQUIPMENT**

Founded in 1998, CRS has over 20 years of experience in the galvanic field. Our products have undergone successful testing in client environments that are demanding and rigorous. Quasar and Vega switch-mode rectifiers are designed to meet all galvanic surface treatment requirements. Based on high speed IGBT technology, they provide high efficiency, performance, and compact dimensions, while maintaining reliability and reducing downtime

The main products are power supplies for different applications:

DC – Direct Current (forward)

DCR – Direct Current Reverse (forward and reverse)

PP – Pulse Plating (forward)

PPR – Pulse Plating Reverse (forward and reverse)

SA Mint 132 Rectifiers

Linde & Wiemann CRS Rectifiers



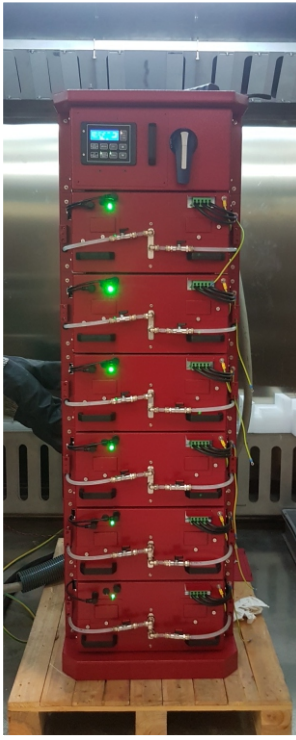




ABB has four sectors in which they specialise in, Electrification, Motion, Process Automation, and Robotics & Discrete Automation.

We at Elio Electro Tech are proud channel partners of ABB, by being part of the ABB family we are able to offer our clients industry leading electrical products, ensuring reliability, efficiency, and safety.

ABB Products:

ABB's product range is offered to our clients to meet all operations and project needs. We offer ABB low voltage products on our Website Online.Elio.co.za

DRIVES



ABB Drives are engineered for superior efficiency and performance compared to those of our closest competitors. They provide flexibility, allowing customization to meet your process, control, and reliability requirements with minimal need for downtime.

SOFT STARTERS



ABB's range of soft starters offer you secure moto reliability, improve installation efficiency, and increase application productivity. Our drives boast several key features, including minimized mechanical wear and tear on equipment, decreased starting current, reduced electrical stress on both motor and network, and swift, hassle-free installation and setup with a compact footprint.



LV SWITCHGEAR



Our Switchgear provides greater data transparency throughout your operations. By integrating intelligent mechanisms and sensors, the device enhances its hardware backbone, enabling the seamless collection and availability of data.

MV SWITCHGEAR

ABB's range of Air Insulated (AIS) and Gas Insulated Switchgear range from Primary AIS and secondary AIS switch gear.

All MV Switchgear is the preferred option in making current control easier for all applications.



Primary Distribution up to 40,5Kv. The UniGear ZS1 is the best air insulated range, having separate compartments for the switch gear, and an insulated compartments for live parts.

The range of gas-insulated primary panels includes, ZX2 Panels, feeder panels, riser panels, and metered panels. All panels utilize a double bus bar configuration, controlling currents ranging from 2500A to 3150A





Leading the world's green transition

Our world is changing rapidly. Unforeseen events like the pandemic, supply chain disruptions, and soaring energy prices, have accelerated the need for technologies that enable the green transition. Leading a greener planet, through technology that offers reduction in energy and improved efficiency to reduced costs for our client while providing reduced carbon footprint.

Global megatrends are more relevant now than ever, generating new opportunities to transform the world and create a sustainable future.

Drives

We supply a variety of drives ranging from low voltage drives, decentral drives, system modules, enclosed drives, harmonic mitigation filters, medium voltage drives, gear motors and soft starters.



Vacon drives

Ideal for demanding applications VACON® NXP range offers the ultimate in motor control, for both induction and permanent magnet (PM) motors, gearless drive applications, and paralleling solutions for high power motors.



Pumps

We supply Danfoss's leading range of High-pressure pumps, offering the full range of Axial piston pump technology giving clients the benefits of positive displacement pumps to high pressure applications



Climate solutions for cooling

In Danfoss's range of environmentally friendly devices, we supply drives, switches, compressors, filter drivers & strainers, and electronic controls.



CHINT



Inverter NVF2 Series (440V/380V/220V)

NVF2 - 0.4 - 11/PS4

- 0.4kW - 11kW
- 1.2A - 22A

NVF2 - 11 - 220/PS4

- 15kW - 55kW
- 32A - 110A

NVF2 - 220 - 350/PS4

- 75kW - 315kW
- 140A - 600A

Soft Starter NJR2 Series (440V/380V/220V)

NJR2 - 7.5D - 45D

- 7.5kW - 45kW
- 15A - 84A

NJR2 - 55D - 75D

- 55kW - 75kW
- 103A - 140A

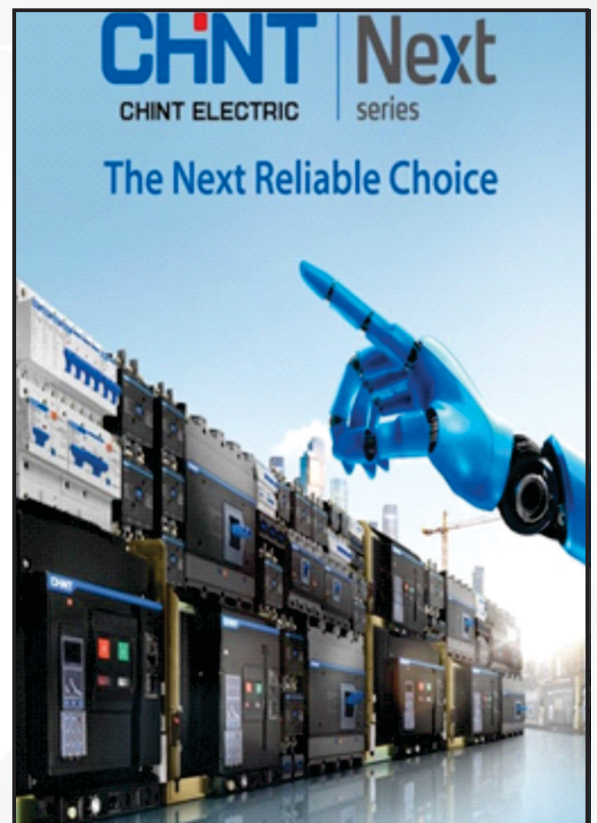
NJR2 - 90D - 185D

- 90kW - 185kW
- 167A - 349A

NJR2 - 200D - 315D

- 200kW - 315kW
- 375A - 579A

Complete range of options and accessories available.



Electrical Panel Design & Manufacturing

We at Elio Electro Tech CC pride ourselves in the quality and workmanship that we offer in our enclosed solutions catalogue, this includes

- MCC Motor Control Centres
- Variable speed drivers panel
- Programmable logic controller panel
- Soft starter panels
- DOL starters
- Star Delta Starters
- Distribution DB boards
- Non-standard Panels (manufactured to customer specifications)

All enclosed solutions constructed by Elio Electro Tech are done to the highest degree of quality.

All our workmanship is guaranteed.



110kW Fan starter for De Beers



VSD Panel for Ore Crusher WEG



2000A Motor Control Centre for a customer in Africa



150kW -30kW Jumbo Starter



150kW-30kW Jumbo Starter



250kW Train Starter for Kamo Copper

Elio Medium Voltage Division

This division focuses purely on miniature substations, medium voltage switch gear, and transformers. Due to our recent success in the market, in terms price and quality, we can service local and international markets with our medium voltage division at competitive pricing figures.

Miniature Substations:

Our miniature substations are built to our customer specifications ranging up to 3000kVa.

We service the following industries:

- Mining
- Industrial
- Construction
- Municipality

All our products are manufactured to the highest degree of quality and Elio guarantees their workmanship on all our medium voltage products.



Transformers:

Oil Cooled - All applications

- Lighting from 25KVA, 33000V Ground Mount or Pole mount
- Distribution from 100KVA, 22000V up to 5000KVA, 22000V
- Power Transformers up to 10MVA
- Korndorfer Transformers up to 5MVA

Dry Type - All applications

- Cast Resin - Complete transformers or active part only, from 50KVA - up to 5MVA, 22000V, up to IP55, Natural or Forced Ventilation
- Open Wound VPI, from small power control transformers, open type or enclosed, from 10VA to 2000KVA, 11000V, up to IP55 - Natural or Forced Ventilation

Switchgear and Ring Main Units - All applications

- Oil Circuit Breakers 630A, 11000V
- SF6 - 630A, 25000V
- Kiosks and enclosures up to IP55



Customers



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Manika | Kolwezi
Lualaba | DRC



Elio DRC