



COMPANY PROFILE

**Solutions Engineered
For People**



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About Our Business

We are a professional end-to-end **Electrical and Automation** solutions provider. We provide solutions that cut across industry verticals. Our highly qualified and experienced personnel provide our partners with high quality solutions that add value. These solutions are engineered with **People** at the centre.

Values

Our values are premised on putting people at the centre of what we do. We believe that everything we do must have a positive impact for the human population.

We believe that:

- **We are Ubuntu:** I am because We Are. We will succeed together for everyone, because of everyone.
- **Utmost Respect for Everyone:** Anyone who comes into contact with us will always be treated with the highest respect.
- **The “Business” Is Us:** Our “business” is made up of all of us. Whenever we refer to “the business”, we refer to all of us.
- **Details Matter:** We have a high attention to detail, striving for absolute best quality in everything we do.
- **One Way Only: Professional:** We carry ourselves with the highest professional standards, and this also shows in our work.

What we do



Plant Automation and Control Systems



Telemetry Systems



Industrial Network



MV/LV Electrical Reticulation and Distribution



Diesel Power Generators



Diesel Generator Remote Monitoring



Substations



Renewable Energy





Plant Automation & Control Systems

We are a leading provider in Plant Automation & Control Systems, delivering people-centered engineering solutions that elevate safety, usability, and efficiency across diverse industrial sectors. Serving industries such as mining, water and wastewater, food and beverage, and the Navy, Greenro Solutions is trusted to meet complex operational demands with precision and expertise.

Comprehensive Services

We offer a complete range of automation and control services designed to support smooth, reliable, and efficient operations:

- **Plant Automation:** Our team of skilled engineers specializes in **Programmable Logic Controllers (PLCs)** from top-tier OEMs, including Schneider Electric, Siemens, ABB and many others. With expertise in integrating PLCs from any OEM based on client specifications, our engineers ensure each solution is precisely tailored to meet operational needs and seamlessly integrates with existing systems, providing clients with a fully cohesive automation setup.
- **SCADA Systems & HMI:** Greenro Solutions' engineers bring extensive experience with the most advanced Supervisory Control and Data Acquisition (SCADA) systems and Human-Machine Interface (HMI) solutions available. With in-depth knowledge across platforms such as **Aveva Plant SCADA, WinCC, FactoryTalk, Codra,**

Adroit, Ignition, and others, Greenro's engineers deliver unmatched flexibility in SCADA integration. This expertise allows us to adapt to each client's unique system requirements, whether they seek enhanced visualization, real-time data access, or seamless multi-system integration. Our flexible approach ensures that our SCADA solutions enhance operational control, streamline monitoring processes, and provide critical insights tailored to meet industry-specific challenges.

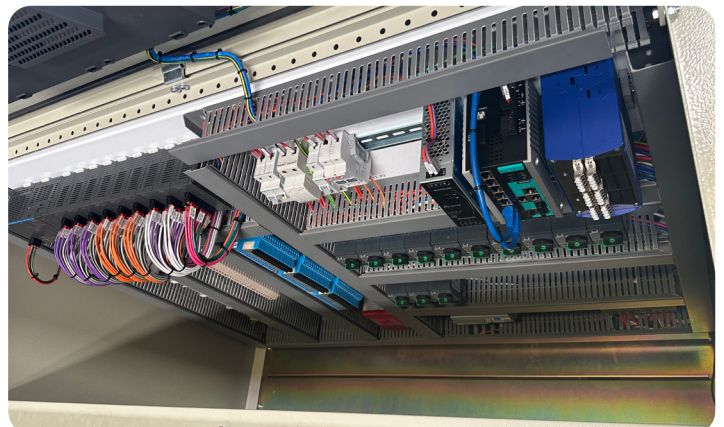
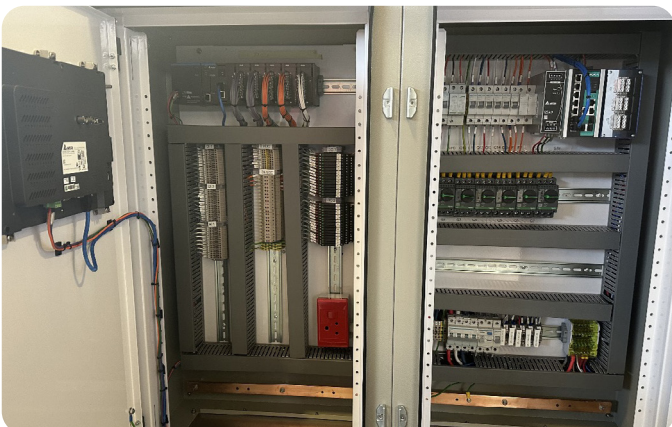
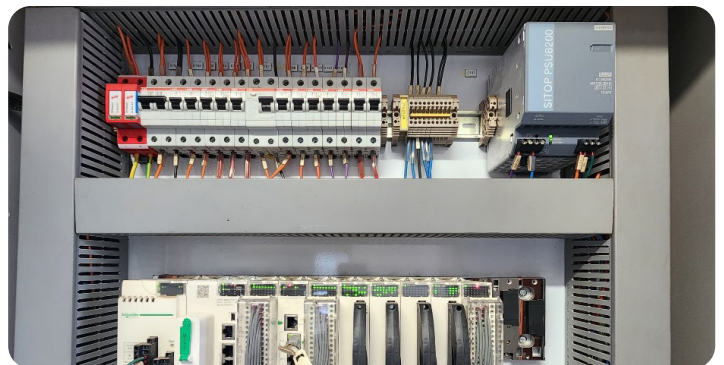
- **Design, Manufacturing, and Installation of Control Panels:** Recognizing the importance of reliable control systems, Greenro Solutions offers comprehensive services in control panel design, manufacturing, and installation. Each control panel is custom-designed for durability, ease of maintenance, and seamless integration, ensuring optimal performance in even the most demanding industrial environments.
- **Process Instrumentation:** From installation to precision calibration, our process instrumentation services meet stringent industry standards. Our team ensures that each component is highly accurate and compliant, supporting effective process management across diverse applications.

Greenro Solutions combines technical expertise with a deep understanding of industry-specific challenges to develop efficient, customizable solutions that

integrate seamlessly into existing infrastructures. Our extensive experience and strong partnerships with leading automation OEMs empower us to provide dependable solutions that empower teams to operate safely, efficiently, and effectively.

Our people-centered engineering approach focuses on developing systems that work for the people who rely on them, ensuring ease of use, flexibility, and optimized performance.

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Telemetry Systems

We are a leader in Telemetry Systems, offering sophisticated remote monitoring and control services designed for infrastructure management in some of the world's most challenging locations. Serving industries such as utilities and mining, Greenro Solutions is committed to providing robust, adaptable solutions that keep operations connected, regardless of distance or environmental conditions.

Reliable Telemetry Solutions for Demanding Environments

We specialize in remote monitoring solutions that ensure uninterrupted visibility and control of critical systems. Our telemetry systems utilize a versatile range of communication technologies, including **GSM, 3G, Satellite, Microwave, and Radio**—all carefully selected to provide dependable connectivity even in remote and hard-to-reach areas. With this adaptability, Greenro Solutions can tailor solutions to meet the specific communication demands of each site, ensuring seamless monitoring and timely responses to any operational needs. With deep expertise in

telemetry for industrial applications, Greenro Solutions understands the unique challenges of remote infrastructure management. Our systems are built to provide reliability, flexibility, and ease of use, supporting our clients with dependable solutions that work seamlessly within their operational framework. Whether monitoring isolated utility installations or overseeing extensive mining operations, Greenro Solutions delivers the technology and expertise needed to keep systems running smoothly from any distance.



Industrial Network

We specialize in the design and deployment of robust industrial communication networks, delivering seamless connectivity, reliable control, and real-time data access for demanding industrial environments. Serving industries like mining, utilities, water and wastewater, and heavy industry, our solutions are built to withstand the unique challenges of complex and remote operations, ensuring high-performance, resilient communication infrastructures.

With a deep knowledge of industrial protocols, we provide flexible and adaptable networks to support various operational needs. Our expertise includes Profinet, Profibus, Ethernet/IP, Modbus TCP, DeviceNet, CANopen, and other industry-standard protocols, enabling reliable and secure communication across diverse industrial applications.

Our industrial communications networks are tailored to support critical data and communication needs, offering secure and resilient infrastructure to handle high-traffic and data-intensive applications. Greenro Solutions' offerings include:

- **High-Reliability Networks:** Engineered to withstand industrial conditions, our networks deliver uninterrupted connectivity, supporting remote and onsite operations. Each system is built for durability and optimized for uptime, providing secure, continuous communication essential for industrial applications.
- **Remote Monitoring and Control:** Greenro Solutions' network solutions empower operators to monitor, control, and optimize systems from any location. This capability allows for faster decision-making, reduced downtime, and proactive issue management.

- **Flexible Communication Technologies:** We utilize a range of communication technologies—such as Ethernet, fiber optics, and Radio—selecting the best options to meet specific operational needs and environments. This flexibility ensures that our solutions are adaptable, scalable, and capable of supporting varied industrial applications.
- **Cybersecurity and Data Protection:** Our networks incorporate advanced security protocols to safeguard against cyber threats, ensuring that sensitive operational data remains protected and secure across all communication channels.

Our network solutions empower operators to monitor, control, and optimize systems from any location. This capability allows for faster decision-making, reduced downtime, and proactive issue management.





MV/LV Electrical Reticulation & Distribution

We are a trusted provider of MV/LV Electrical Reticulation & Distribution services, offering comprehensive, high-performance solutions for industries with demanding power requirements. Serving sectors such as mining, water and wastewater, heavy industry, and utilities, we specialize in delivering reliable and efficient electrical infrastructure systems that support uninterrupted operations and long-term safety.

Comprehensive MV/LV Electrical Reticulation & Distribution Solutions

Our electrical reticulation services cover every aspect of power distribution, forming the backbone of industrial infrastructures:

- **MV/LV Cabling Installations:** Our specialized MV/LV cabling systems are the “bloodstream” of your electrical network, providing reliable connectivity and power distribution. Designed to meet rigorous industry standards, these cables offer durability, resilience, and performance to withstand challenging environments.

- **Switchgear and Distribution Transformers:** Essential to effective power management, Greenro Solutions’ switchgear and distribution transformers are tailored to meet the specific demands of each facility. These components ensure safe and efficient power flow, with robust protection systems that maintain the integrity of the infrastructure even under high loads.

- **Motor Control Centers (MCCs):** We offer end-to-end services for Motor Control Centers, including design, manufacturing, and commissioning. Our MCCs feature a range of starter options—Variable Speed Drives (VSD), soft starters, and direct online starters—to enhance motor performance, improve energy efficiency, and reduce mechanical wear. Each MCC is crafted to integrate seamlessly with your existing systems, supporting reliable motor operation and extending equipment lifespan.

With a strong focus on power reliability, safety, and operational efficiency, Greenro Solutions is equipped to handle the high-demand needs of industrial clients. Our expert team combines technical skill with extensive industry knowledge to develop

reticulation and distribution systems that are both robust and easily manageable, providing our clients with secure and efficient electrical infrastructures.



Diesel Power Generators

Greenro Solutions: Your Trusted Partner in Backup Power Solutions

When it comes to ensuring continuous, reliable power, Greenro Solutions stands as an experienced leader in providing customized backup diesel generator systems. Serving a diverse clientele—ranging from business clients and industrial facilities to mining operations and facility managers—Greenro Solutions is dedicated to meeting the unique power demands of any industry. Our clients count on us for robust, reliable power solutions tailored to the most challenging operational environments.

High-Quality Diesel Generators Tailored to Your Needs

We specialize in a range of backup generator configurations designed to seamlessly integrate into any facility setup. Our generators are available in four configurations:

- **Open Set:** Ideal for installation within protected environments or indoor setups.
- **Canopy:** Engineered for outdoor use, these generators provide added protection against environmental elements.
- **Containerized:** Built for easy transport and installation, suited to remote or high-demand locations.
- **Special Builds:** Custom-engineered to meet specific requirements for specialized applications.

Why Choose Greenro Solutions?

We bring years of expertise in backup power solutions, ensuring that each system delivers the highest standards of efficiency, sustainability, and performance. Our generators are designed with:

- **Fuel Efficiency:** Lower operational costs and extended runtime.

- **Low Noise Levels:** Ensuring quieter operation for sensitive environments.

- **Eco-Friendliness:** Reduced emissions and compliance with the latest environmental standards.

- **High Power Output:** Meeting the demands of both standby and base load power requirements.

Our commitment to quality, combined with a deep understanding of industrial power needs, makes Greenro Solutions the preferred choice for clients seeking dependable backup power. Discover how we can support your operation with a tailored generator solution designed to meet your exact specifications.



Diesel Generator remote monitoring

Our remote monitoring systems provide detailed tracking of major operational parameters, enabling clients to maintain control over fuel consumption, equipment status, and environmental conditions:

- **Fuel Consumption:** Track fuel usage in real-time to optimize efficiency, reduce waste, and ensure fuel availability when it's needed most.
- **Engine Operation Mode and Runtime:** Monitor engine modes, operating times, and maintenance needs to ensure peak performance and avoid unexpected downtime.
- **Fuel Volume and Temperature:** Maintain precise control over fuel reserves with continuous tracking of volume and temperature, ensuring safe storage and efficient use.
- **Operation of Attached Equipment:** Monitor auxiliary and attached equipment to ensure cohesive operation across systems, maximizing overall reliability and responsiveness.

The Greenro Solutions Advantage in Remote Monitoring

We combine robust technology with industry expertise to deliver remote monitoring solutions that adapt to complex environments, ensuring accuracy, reliability, and security. Our solution for monitoring systems is engineered for seamless integration, enabling centralized, user-friendly access to critical data from any location. This proactive approach to asset management allows operators to make informed decisions quickly, enhancing operational efficiency and extending equipment lifespan.



Substations

We collaborate with leading Original Equipment Manufacturers (OEMs) to deliver high-quality, reliable substation switchgear and protection systems. These partnerships enable us to provide municipalities and utility companies with state-of-the-art infrastructure solutions that ensure resilient power distribution and optimal protection.

OEM-Integrated Solutions for Infrastructure Development

Our partnerships with trusted OEMs allow us to deliver substation systems that are tailored to meet specific client needs, ensuring enhanced efficiency, reliability, and safety. By leveraging OEM expertise, Greenro Solutions offers:

Custom-Engineered Switchgear: Designed in collaboration with top OEMs, our switchgear solutions are built to handle high-demand environments and integrate seamlessly with existing power infrastructure.

- **Advanced Protection Systems:** Through OEM partnerships, we provide cutting-edge protection technologies that safeguard critical assets, quickly detecting and responding to faults to prevent downtime and service interruptions.
- **Support for Large-Scale Infrastructure Development:** Through OEM partnerships, we provide cutting-edge protection technologies that safeguard critical assets, quickly detecting and responding to faults to prevent downtime and service interruptions.

Our strong relationships with OEMs enable us to deliver high-quality, durable switchgear and protection systems designed for optimal performance and long-term reliability. Greenro Solutions' collaborative approach ensures our clients benefit from both industry-leading technology and our commitment to reliable infrastructure support.





Renewable Energy

At Greenro Solutions, we are dedicated to advancing sustainable energy with a comprehensive range of renewable solutions that cater to diverse energy needs. Whether you're looking to enhance grid reliability, ensure backup power, or achieve complete energy independence, our solutions are designed to provide clean, efficient power while reducing environmental impact.

Our Renewable Energy Offerings

- **Grid-Tied Energy Solutions:** Our grid-tied systems enable clients to harness renewable energy while staying connected to the main power grid. These solutions not only reduce energy costs but also contribute to a more resilient, low-emission power infrastructure.
- **Battery-Based Backup Solutions:** We offer battery-based systems designed to provide dependable backup power during outages. With high-efficiency batteries and smart energy management, these solutions ensure seamless power availability while optimizing energy usage and supporting sustainability goals.

- **Off-Grid Power Solutions:** For clients requiring full energy independence, our off-grid solutions provide reliable, self-sustaining power in remote locations. Leveraging renewable sources, these systems offer a dependable alternative to traditional fuel-based power, minimizing carbon footprints and supporting sustainable operations.

Why Choose Greenro Solutions?

With a focus on innovation and environmental stewardship, Greenro Solutions is committed to delivering renewable energy solutions that drive sustainable progress. Our expertise and dedication ensure that each solution is tailored to meet our clients' specific energy needs while contributing to a greener future.



Solutions Process



DESIGN

- Elicit Business Requirements
- Develop a technical and commercial proposal
- Deliver a conceptual design
- Prepare a detailed design



BUILD

- Procurement
- Manufacturing
- Installation
- Commissioning and Certification



MONITOR & MAINTAIN

- Routine Maintenance
- Early Warning Systems
- Reactive Maintenance



ADVISORY/CONSULTING

- Site Assessments/ Studies Site Reports
- Compliance Reports

Some Of Our Clients



SOUTH AFRICAN NATIONAL DEFENCE FORCE



SOUTH AFRICAN NAVY



defence
Department:
Defence
REPUBLIC OF SOUTH AFRICA





Some of Our Partners





Accreditations/Affiliations





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