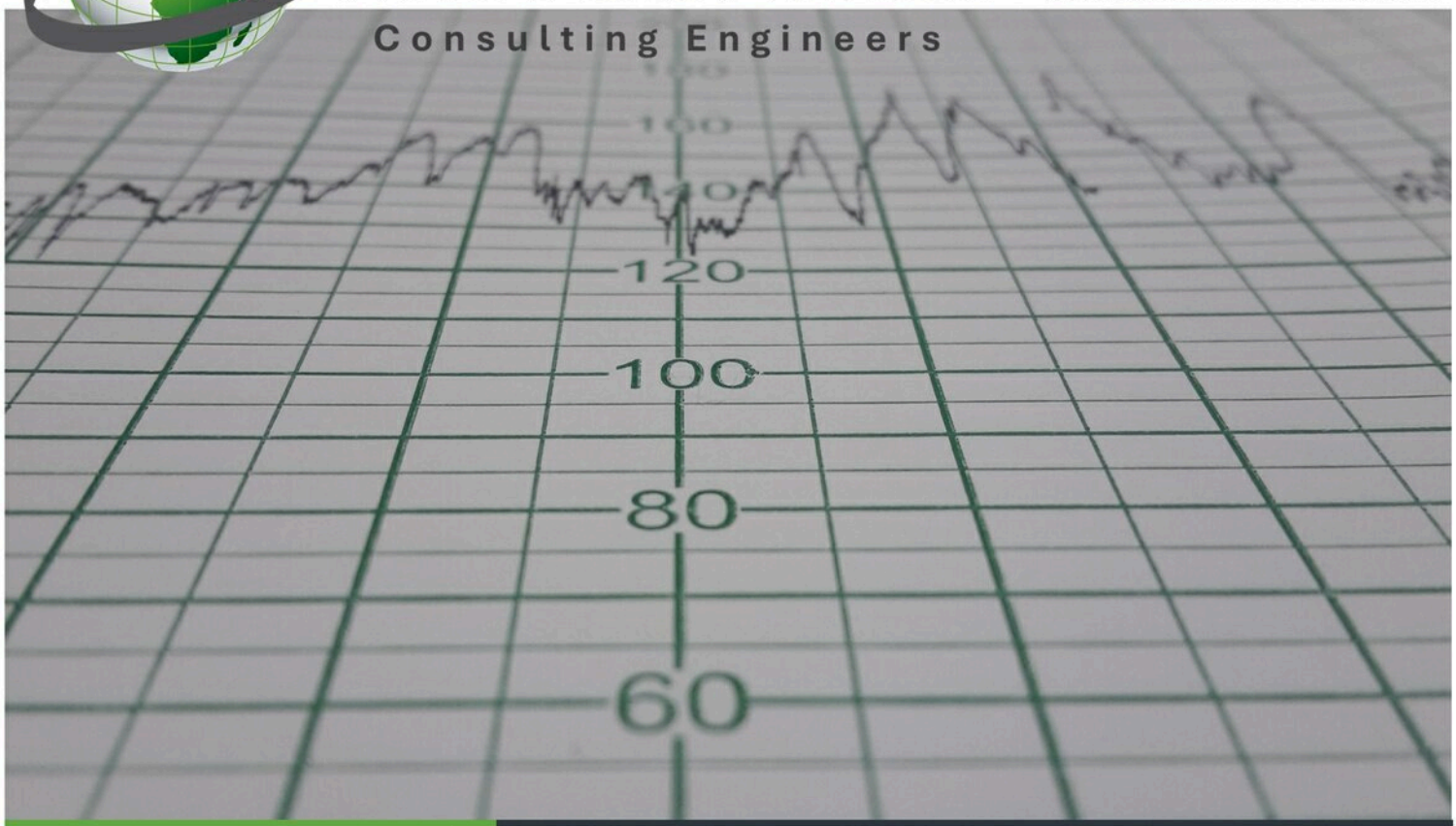
Xnovest Africa

www.xnovestafrica.com

Consulting Engineers



- **CONSULTING ENGINEERS**
  Doing the necessary research to provide you with a hands-on solution. Right the first time.
- **ENERGY & WATER MANAGEMENT**
  Experienced engineers will assist you with any projects: Audit to implementation.
- **ELECTRICAL ENGINEERING**
  Design to implementation and project management. We are equipped and experienced.
- **ELECTRICAL CONTRACTORS**
  Remedial, maintenance, construction & shutdowns - we have the resources and equipment to execute any project.
- **RENEWABLE ENERGY**
  With more than 2.5MW renewable experience in various sectors, we are your trusted partner.
- **BUILDING ASSESSMENTS**
  Condition assessments, risk & compliance audits to help you manage your valuable assets.

Taking pride in what we do.

local | experienced | diverse

Xnovest Africa consulting engineers have been involved in various sectors gaining experience in a wide variety of projects, technologies, operations, clients and solutions. Our motto: being proud of our work. We will provide the best answer to any project while delivering an extremely high quality of work. As our name suggests, we strive towards e**X**cellence, in**NO**vation and in**VEST**ments. We strive to build relationships with our clients to establish long term sustainable investments and build capacity and empower our clients.

Xnovest Africa is a South African based company specialising in various sectors, including, but not limited to: Energy, Electrical, Mechanical, Water, Fire, ISO, Building Assessments and Process / Plant Engineering – all which are important to any sustainable business. We are breaking away from the traditional ways of managing and implementing projects and seeking more innovative ways of making them work for you. We strive to assist clients with a holistic turn-key solution which is specific to your needs and circumstances.

86 Retief Street, Potchefstroom, 2531 Tel: +27 (0)18 001 0445

WWW.XNOVESTAFRICA.COM

energy

The capacity or power to do work, such as the capacity to move an object (of a given mass) by the application of force. **Energy** can exist in a variety of forms, such as electrical, mechanical, chemical, thermal, or nuclear, and can be transformed from one form to another. The law of conservation of energy, states that energy cannot be created or destroyed, only transformed from one form to another.

At **Xnovest Africa**, we deliver **comprehensive, innovative, and impact-driven energy solutions** tailored to meet the evolving demands of industry and infrastructure. Our energy services are rooted in deep technical expertise and a commitment to sustainability, operational efficiency, and cost savings.



Xnovest Africa has been servicing the energy industry for more than a decade.

All sectors, all environments.

We have seen it all.

CUSTOM SOLUTIONS

We provide custom solutions to fit each client's need. Due to the rising costs of energy and natural resources, energy should not be a grey area in any business, it is an asset and needs to be managed accordingly to improve business efficiency and profitability.

VARIOUS SECTORS

We are deeply involved in various sectors and technologies. Including, but not limited to: Mining, Industrial, commercial, residential and agricultural. Assisting clients with audits and assessments for load shifting, profile development, general efficiency, bill verification, baseline development and much more.

SERVICES FOR YOUR EVERY NEED

- ⇒ Energy audits & assessments
- ⇒ Renewable Energy and Design
- ⇒ Efficiency & Process Optimization
- ⇒ Measurement and Verification
- ⇒ Power Quality
- ⇒ Metering Solutions
- ⇒ Thermal Assessments
- ⇒ Condition Assessments
- ⇒ Bill Verification
- ⇒ Consulting and Project Management



Energy Audits
Identifying inefficiencies and opportunities for optimization across your systems and processes.

Energy Consulting
Delivering strategic advice and actionable insights for sustainable energy practices.

Energy Management Systems (EMS)
Designing and deploying frameworks to monitor, control, and continuously improve energy use.

Advanced Metering Solutions
Enabling real-time monitoring, analytics, and control over energy consumption.

Energy Efficiency Programs
Implementing practical measures to reduce waste and improve system performance.

Process Energy Optimisation
Enhancing industrial operations through smart energy integration and engineering.

Baselines & Data Analysis
Capturing and analysis of operations with respect to energy and the associated energy drivers.



Energy *is the fundamental capacity to perform work—powering every process, system, and transformation that drives industry, innovation, and progress.*

Our team proudly executed **comprehensive energy assessments across all Samancor Chrome mines and smelters**, culminating in the **development of a robust Energy Policy and Strategy** that supports **long-term sustainability, medium-term efficiency goals, and short-term actionable results**. Large practical saving measures has been identified and is in the process of being implemented with great success.





Our clients include

- Samancor Chrome
- Tiger Brands Milling
- Tiger Brands Albany Bakeries
- Avani Hotel Group
- North West University

local | experienced | diverse

www.xnovestafrica.com

electrical contractors

"a licensed professional or business entity responsible for the design, installation, maintenance, and repair of electrical systems in residential, commercial, or industrial settings, in compliance with applicable codes and safety standards."
Registered with the Department of Labour as an Electrical Contractor.

Xnovest Africa is registered with Department of Labour as an **electrical contractor** in terms of regulation 6(4) of the Electrical Installation Regulations with registration number: **NW 000746.**

employment & labour
Department:
Employment and Labour
REPUBLIC OF SOUTH AFRICA

EW SETA

Construction
-
Transmission
-
Metering
-
Residential
-
Mining
-
Industrial
-
Agricultural
-
Project Management
-
Quality Control & Surveying

IN-HOUSE RESOURCES

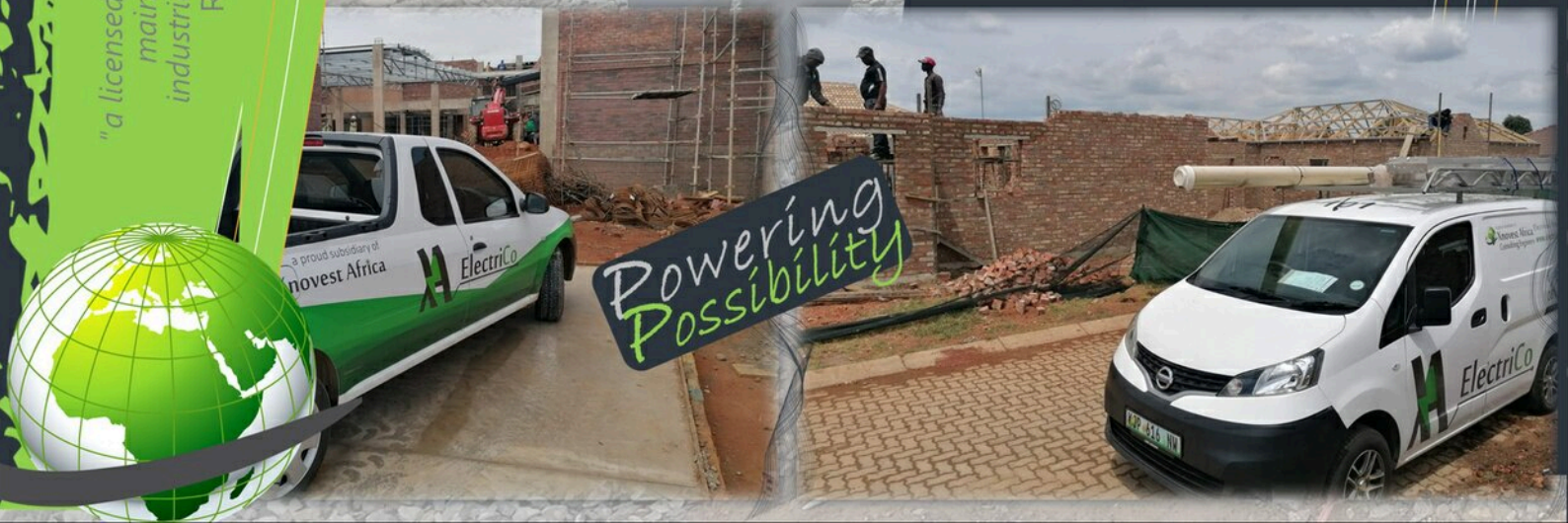
We have the experience and resources, all in-house, to successfully complete any project. Part of our team is professional electrical engineers as well as project managers and electricians. We are registered with the Department of Labour and the Electrical Conformance Board. Safety on site is always our number one priority.

ECB Electrical Conformance Board of SA
Registration number: #32427

SITE COMPLIANCE - DONE RIGHT

We are site compliant and ready to implement. All administration is up to date and current. Including, but not limited to:

- ⇒ Complete Safety File
- ⇒ OHS Medicals
- ⇒ Working @ Heights
- ⇒ First Aiders
- ⇒ Safety Reps
- ⇒ COID
- ⇒ Professional Indemnity Cover (PI)
- ⇒ ECSA Engineers
- ⇒ GMR2.1 & Legal Appointments
- ⇒ Lots of Experience



www.xnovestafrica.com

Our inhouse resources include:

- Professional Engineer
- Engineers (Mech & Elec)
- Electricians (Wiremans)
- Electricians
- Fitter & Turner
- Draughtsman
- Admin & Support
- Finances
- Quality Control
- Project Managers

Tiger Brands

Various projects executed at different Tiger Brands facilities across the country including Mills (Tiger Brands & King Foods) and Bakeries (Albany).

Other Clients Include

- Atlantic Oil
- Synthetic Latex Company
- A&R Engineering
- SEDA FS
- JB Marks Municipality
- Pick n Pay
- Wood
- KFC
- Fontis Developments
- CHEP
- CTU Training Solutions
- Catbox Pet Hyper
- Engel & Volkers
- King Pie
- Mahindra
- Lewis Stores
- North West University
- Shell
- Engen
- Romans Pizza
- Rocomamas
- Sernick Country Meat
- Senqu
- Top Lay Farms

taking pride in what we do

Karusa & Soetwater Windfarms

Eskom substations - 294MW wind power

A WBHO / Enel project development. Eskom substations: Monitoring and Control Cables, AC & DC cabling, terminations & testing at:

Karusa Windfarm (147MW)

Soetwater Windfarm (147MW)



GIC Multi-phase Residential

All electrical work pertaining to a multi-phase residential development

46 townhouses
3 / 5 bedroom with 2.5 / 4.5 bathrooms







consulting

mechanical, electrical, energy & R&D

the professional practice of providing expert advice, design, analysis, and project management services across various sectors to support the development, optimization, and implementation of technical solutions tailored to client needs. Applying specialized knowledge to ensure safety, efficiency, compliance, and innovation.

At **Xnovest Africa**, our **Consulting Division** delivers multi-disciplinary engineering expertise across a wide spectrum of industries—including **industrial, commercial, agricultural, mining, food and beverage, and processing sectors**. Our in-house team of **engineers, specialists, and technical consultants** provides strategic insights, detailed assessments, and engineered solutions tailored to complex systems and operational environments.

We take a **holistic, systems-based approach**, offering clients end-to-end consulting services that span from planning and evaluation to implementation support and performance optimisation.

Our Expertise Includes

- Electrical and Mechanical Consulting
- Building Systems Design and Assessment
- Thermal Analysis & HVAC Efficiency
- Energy Audits & Energy Efficiency
- Energy Policies & Strategies
- SANS 10400 XA Assessments
- Fire, Safety & Risk Assessments
- Condition Monitoring & Infrastructure
- Process Analysis & Industrial Optimisation
- Mining and Processing Systems Review
- Custom Engineering Solutions
- Project Feasibility Analysis
- Research & Development
- Project Development & Management
- Reticulation Analysis (Electrical & Water)
- Metering and Data Analysis
- Electrical & Renewable Energy Design
- Owner's Engineering

From greenfield developments to brownfield upgrades, we offer trusted technical leadership and data-driven engineered decision support to help clients reduce risk, improve performance, and ensure compliance with industry standards and best practices.



Importance of Consulting Engineering in Industry

Consulting engineering is a **critical driver of innovation, safety, and operational excellence** across all sectors. Its value lies in:

- **Independent and objective problem-solving**
- Ensuring **regulatory and technical compliance**
- **Reducing costs and inefficiencies** through engineered insight
- Supporting **long-term asset performance and lifecycle planning**
- Enabling **smart, data-informed decisions**
- **Integrating technology, sustainability, and resilience** into systems design



In industries where the **margin for error is small and the stakes are high**, expert consulting services help clients make decisions with confidence and clarity.

Our Clients Include:

- ⇒ Samancor Chrome
- ⇒ Atlantic Oil Inland
- ⇒ Tiger Brands
- ⇒ Albany Bakeries
- ⇒ King Foods
- ⇒ AECOM
- ⇒ North West University (NWU)
- ⇒ University of Cape Town (UCT)
- ⇒ University of Johannesburg (UJ)
- ⇒ Senwes
- ⇒ VKB
- ⇒ Pick n Pay
- ⇒ CSIR – Council for Scientific and Industrial Research
- ⇒ SERA – Swaziland Energy Regulatory Authority
- ⇒ SEC – Swaziland Electricity Company
- ⇒ Nissan
- ⇒ Standard Bank - Lesotho
- ⇒ Letšeng Diamond mine
- ⇒ WBHO
- ⇒ NECSA (Nuclear Energy Corporation of South Africa)

engineering is not just what we do — it's who we are.





Xnovest Africa
Consulting Engineers

renewable energy

Renewable energy is energy that is collected from renewable resources that are naturally replenished on a human timescale. It includes sources such as sunlight, wind, the movement of water, and geothermal heat. Although most renewable energy sources are sustainable, some are not.



IN-HOUSE SOLUTIONS , DESIGN & IMPLEMENTATION

We have the experience and resources, all in-house, to successfully complete any project. Part of our team is professional electrical engineers as well as project managers and electricians. We design, implement, commission and provide the needed support after implementation - all from one office. Constantly striving to provide a custom solution for every unique and/or specific client need.

TURNKEY SOLUTIONS

We are deeply involved in various sectors and technologies. Including, but not limited to: Industrial, commercial, residential and agricultural.

- ⇒ Off-grid and Hybrid Solutions
- ⇒ Grid-tied and other source integration
- ⇒ Certificate of Compliance (AC & DC)
- ⇒ Project Management
- ⇒ All the equipment and meters
- ⇒ Victron, SunSynk, SolarEdge, Blue-Nova, FreedomWon, SMA, etc

ENGINEERD SOLUTIONS

Involved with more than 2.5MW of Solar PV Projects. Consulting, commissioning, design, and implementation.

Various PV design and installation projects — roof and ground mount.

Custom solutions, custom builds. All executed in-house by our experts.

Generator & wind integration projects.

Full engineering team, support, and qualified electricians to assist you.

Xnovest Africa
Consulting Engineers



Valued Added Service

- We do not only design & install, we build a **relationship**.
- **Aftersales service**—unmatched.
- Serviced **commissioning period** with post-installation analysis and evaluation of performance.
- **Document Pack** which includes engineering drawings, SLD's, Engineering Signoff (DC), COC (AC), Warrantees & Guarantees. Just forward it to your insurance.
- **Warrantees managed** inhouse on behalf of client.

Registered & Compliant

- Registered with FNB towards client **financing options**
- **Wiremans License** Electricians
- **PV Green card** Electricians
- **Professional Electrical Engineer** Design & Signoff (Pr.Eng - ECSA)
- Registered with ECB - **Electrical Conformance Board** of South Africa
- Registered with **Department of Labour & COID**.
- **Professional Indemnity Cover** towards each project (R5mil per project)
- Insurance towards **road freight** and equipment.





Not just your average installer

We design towards a sustainable solution taking various factors into account , including, but not limited to:

- **Technology** compatibility
- **Reactive energy** and power factor
- Motors, startup currents and **power quality**
- Plant **operation and suitability** of the proposed technology
- **Expansion** and future cost//life of plant and equipment.
- Managed client **expectation** and status quo.

Custom Solutions

- **Engineered** custom solutions—suitable for each industry
- **Experience** within various sectors: Residential, Commercial, Agricultural, Industrial, Heavy Industrial.
- Reputable technology suppliers with product support in South Africa.
- **Inhouse** teams to provide exceptional aftersales service.
- **Service Level Agreement** available to service and monitor your system even when the warrantees have expired.
- **Fixed costing model**, no hidden costs, no claims after installation. Beware of cheaper quotations with lots of hidden costs.





More than 2.5 MW
renewable experience

local | experienced | diverse

www.xnovestafrica.com

shutdowns

planned maintenance & remedial

Planned / temporary halt of operations to perform critical repairs, maintenance, upgrades, or inspections that cannot be safely or effectively carried out during regular production. These shutdowns are essential for addressing wear, faults, or performance issues.

Built on Experience. Driven by Results.

At Xnovest Africa, we offer **specialized planned maintenance** solutions for **industrial plants**, with a focus on executing **safe, timely, and efficient shutdowns** for critical remedial work. Our integrated **in-house teams**—including fitters and turners, mechanical artisans, electricians, engineers, and project managers—are **experienced** in managing complex plant systems and delivering **high-performance outcomes under pressure**.



Our services include:

- Shutdown Planning & Scheduling
- Mechanical Repairs and Component Replacement
- Electrical System Testing and Refurbishment
- Process Equipment Inspection & Optimization
- Safety Compliance

With a strong foundation in multi-disciplinary engineering, we ensure that every shutdown is executed with minimal downtime, maximum reliability, and full regulatory compliance.

Critical Paths to Successful Plant Shutdowns

To ensure a successful shutdown, we follow a proven path:

Pre-Shutdown Planning & Scope Definition

⇒ Detailed assessment of assets, condition monitoring, and task prioritization.

Resource Allocation & Timeline Structuring

⇒ Deployment of skilled teams, equipment, and tools with clear time-based work breakdowns.

Safety & Risk Management Protocols

⇒ Strict adherence to HSE standards, site-specific risk assessments, and safety briefings.

Execution Phase Management

⇒ Real-time progress tracking, coordination between disciplines, & dynamic task adjustment.

Quality Control & Testing

⇒ Post-inspections, performance testing, & commissioning for smooth plant restart.

Post-Shutdown Review & Reporting

⇒ Final reporting, lessons learned, and long-term maintenance recommendations.



Xnovest Africa

integrated teams reliable turnarounds

mechanical

manufacturing & custom installations

the design, fabrication, and assembly of mechanical components or systems tailored to specific project requirements - ranging from custom-built structures and containerised units to shutdown-related components and specialized plant installations..

When Off-the-Shelf Won't Cut It—We Build It.

At Xnovest Africa, we provide **end-to-end mechanical manufacturing** and installation services—delivered entirely **in-house** by our skilled **mechanical team**. From precision builds for plant shutdowns to fully custom-engineered systems, our mechanical division ensures **tailored, high-quality solutions** that meet the specific needs of every project.

Our services include:

- Custom Fabrication & Mechanical Builds
- Installation of Process & Utility Equipment
- Containerised Engineering Solutions (modular systems, energy skids, control rooms, etc.)
- Shutdown-Specific Mechanical Support
- Welding, Fitting, Machining & Assembly
- Site Installations & Commissioning

Whether we're supporting our own engineering projects or providing standalone mechanical solutions, our in-house capabilities reduce lead times, improve coordination, and ensure tight quality control from start to finish.

What Sets Us Apart

⇒ **Fully In-House Execution** – From concept to commissioning, we do it all under one roof.

⇒ **Responsive Shutdown Support** – Rapid deployment and flexible solutions tailored to tight maintenance windows.

⇒ **Custom Builds, Engineered to Fit** – Each installation is designed to your unique process and space.

⇒ **Cross-Disciplinary Integration** – Our mechanical solutions align seamlessly with electrical and energy systems.

⇒ **Engineering back office**

⇒ **Facilities & Equipment**

⇒ **Qualified Resources**

⇒ **Everything under one roof**



Corporate & Technical Training

Xnovest Africa
Consulting Engineers

We believe that **skills development is the cornerstone of sustainable engineering excellence**. Through our **Corporate and Technical Training**, we offer structured learning pathways that empower individuals and uplift industry standards across mechanical, electrical, and energy disciplines.

We provide a range of **corporate, technical, and field-based training solutions**, tailored to industry needs and aligned with real-world engineering environments. Training includes:

- **Technical Skills Development** (mechanical, electrical, energy)
- **Workplace Readiness & Field Training**
- **Corporate & Soft Skills for Engineering Environments**
- **Compliance, Safety & Regulatory Training**
- **Energy Management & Efficiency Workshops**

We are proud to be an **EWSETA-approved workplace**, offering mentorship and practical exposure to learners from technical colleges and tertiary institutions. Additionally, we actively support academic growth through our collaboration with **North-West University**, where we fund bursaries for Master's engineering students: **investing in the future of engineering leadership**.

EW SETA



project management

Project Management is the systematic process of planning, executing, & overseeing tasks & resources to achieve specific goals within defined constraints including client expectation.

corporate & technical training

Training is structured learning programs designed to enhance employees' professional skills, technical expertise, project specific knowledge , & overall job performance.

Project Management

Xnovest Africa
Consulting Engineers

Our **Project Management services** ensure that every project—regardless of size or complexity—is delivered **on time, within budget, and to specification**. We apply structured methodologies and industry best practices to **plan, execute, monitor, and close** projects efficiently across a variety of sectors.

Our services include:

- **Project Planning & Scheduling**
- **Resource & Budget Management**
- **Risk Assessment & Mitigation**
- **Contractor Coordination & Supervision**
- **Progress Tracking & Reporting**
- **Quality Control & Compliance**



From pre-construction coordination to final handover, our project managers ensure seamless execution, clear communication, and full alignment with client objectives.

International Exposure & Experience



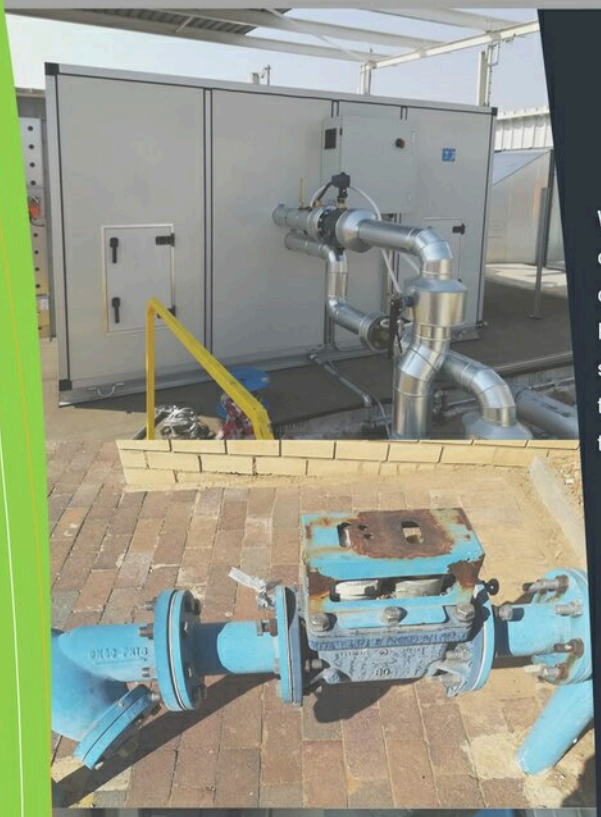
From the Classroom to the Field—We Bridge the Skills Gap

Local | Experienced | Diverse

building condition assessments

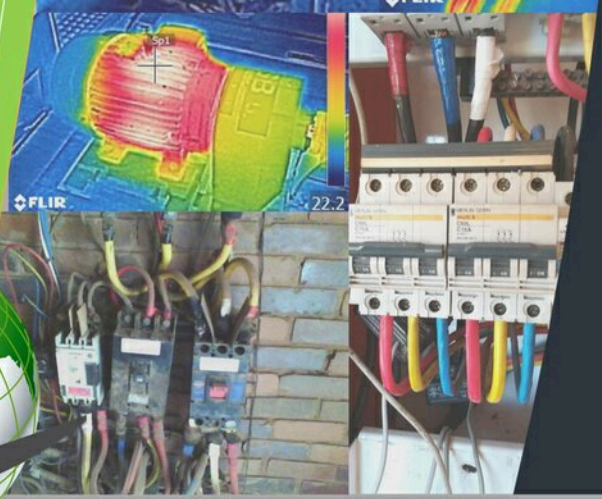
Building Condition Assessments and Compliance according to SANS 10400 and other relevant standards

Know the conditions of your assets and associated sub-systems. You can't manage and plan for what you don't know.









Why is it necessary?

When purchasing or managing properties or companies, it is often necessary to carry out condition assessments (also referred to as Facility Condition Assessments). It is a systematic inspection, review, and report on the state of a building's structure and systems.

This is done by a competent team of Engineers due to the speciality knowledge necessary to accurately identify and quantify findings and provide detailed reports.

It is an effective tool to identify areas of non-compliance, and thus allow for corrective or preventative action. This is a service that will help owners and occupants to ensure that their buildings are up to standard, well maintained and the asset's worth is managed.
It is therefore essential to ensure continual compliance with the requirements of SANS 10400.

What is Assessed?

A comprehensive report will be provided detailing corrective actions, priorities and estimated associated costs pertaining to:

- Mechanical Services
- Electrical Services
- Wet Services (all water related)
- Fire Services
- General condition (civil)
- Client Specific (eg. ITC, etc)

Our history

Xnovest Africa has conducted various Condition Assessments on more than 50 buildings in various sectors, mostly commercial, retail and industrial.
Due to the experienced resources and knowledge within our engineering team, we can successfully provide detailed expert feedback to the client.

fire & risk

compliance & assessments

Fire Compliance & Risk Assessments; Due Diligence Audits

Save lives and protect assets
– ensure your fire safety is complying to legal regulations and standards



Why is it necessary?

When purchasing properties or companies, it is often necessary to carry out due diligence assessments to ensure that you have full knowledge of what you are buying. Fire safety is an essential aspect of this, as shortfalls in fire safety standards or lack of maintenance of fire safety systems can require expensive upgrades, making it is essential to ensure this is identified before the purchase.

A fire safety audit is an effective tool to identify areas of non-compliance, and thus allow corrective or preventative action. This is a service that will help owners and occupiers to ensure that their buildings are safe and fitted with compliant fire safety installations and that those fire safety installations are maintained in an operational condition. It is therefore essential to ensure continual compliance with the requirements of the Occupational Health & Safety Act.

The Result

A comprehensive report will be provided stipulating all fire and risk related results during the assessments. This will assist the owner to begin with an action plan towards corrective actions to ensure compliance towards fire safety regulations.

Our history

Xnovest Africa has conducted fire compliance audits, due diligence and risk assessments on more than 80 buildings during 2018 and 2019. These included commercial buildings, manufacturing sites, government buildings and hospitals. Compliance is done according to various standards, including, but not limited to SANS 10400-T, SANS 1128, SANS 1186, SANS 10114, SANS 10139, SANS 10287, etc.

ISO

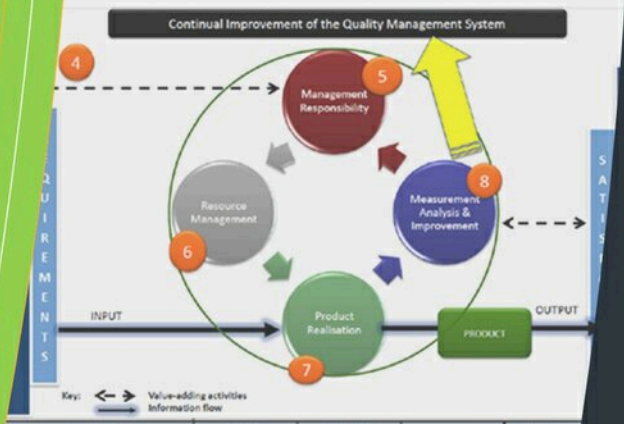
The formal definition from the International Organization for Standardization (ISO) and its sister organization, the International Electrotechnical Commission (IEC) is: a document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context.



What are standards and how do they help?

- Have you ever stopped to wonder why you can use your bank card almost anywhere in the world?
- Or been thankful that the dashboard symbols in the Japanese car you have hired in Australia are the same as in your own German car at home in Johannesburg?
- Or noticed that you can watch video footage delivered via the Web on any of the different computers you have access to?
- Or noticed that your baby's toy has no sharp edges?
- Or wondered how could fast-food chains operate the same in different countries?

These and many other examples of convenience for consumers in everyday life show why standards, especially International Standards, are directly relevant to you.



Category	Score	Max Score		Percentage
oint Meeting	22	30	0	73%
HEQ System Review	6	12	0	50%
Project Meeting	10	12	0	83%
Organizational Structure	8	18	0	44%
raining planning (CSP 019)	3	6	0	50%
Q Policy	33	36	0	92%
ontractors	24	27	0	89%
g Control (CSP 005)	12	15	0	80%
nt Control (CSP 005)	4	12	0	33%
ual (CM)	0	0	0	#DIV/0!
Records	12	18	0	67%
uality System Documents	2	3	0	67%
ment	5	15	0	33%
External Documents (CSP	4	6	0	67%
al / External Correspondence	0	0	0	#DIV/0!
quest for Information (RFI)	0	0	0	#DIV/0!



CUSTOM SOLUTIONS

We provide custom solutions to fit each client's need, business and sector. Xnovest Africa will ensure the effectiveness of the system as well as continual development through our unique system based implementation approach to ensure an audit ready system and sustainable workable system.

OUR IMPLEMENTATION GOAL

⇒ Ensure a functional ISO/IMS management system.

⇒ User friendly system with all information (production, management etc.) readily available with statistical analysis flow. This gives the client a monetary value from the ISO/IMS system.

⇒ Full ISO compliance.

⇒ Empowering each employee / user.

POPULAR STANDARDS

⇒ ISO 9 001 - Quality Management Systems

⇒ ISO 14 001 - Environmental Management

⇒ OSHAS 18 001 / ISO 45001 - Occupational Health and Safety

⇒ ISO 17 020 - Inspection Bodies

⇒ SANS 50 001 - Energy Management

⇒ SANS 50 010 - Measurement & Verification

Computer-Aided Design (CAD) Services

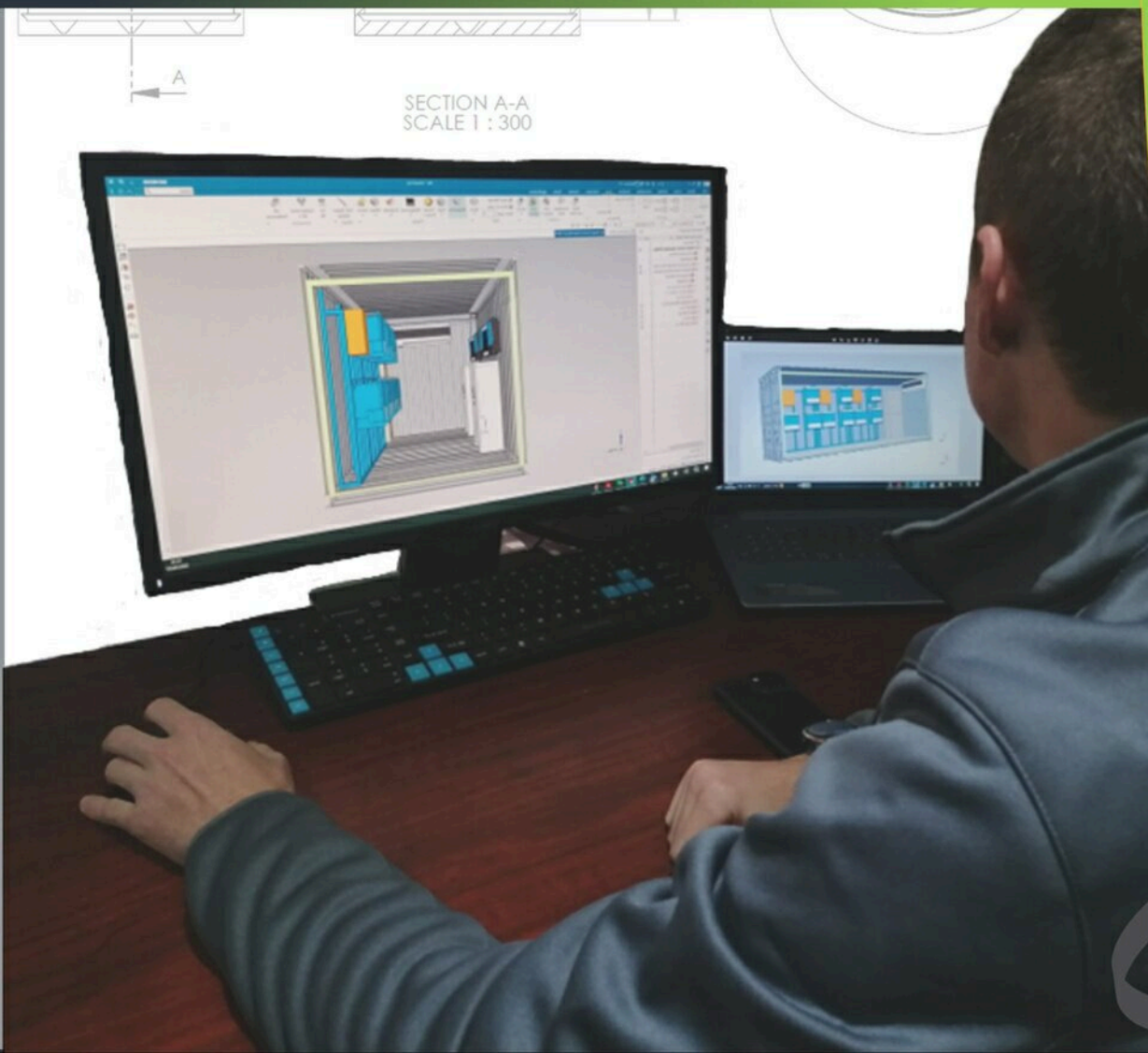
At Xnovest Africa, our **in-house CAD Department** plays a critical role in transforming ideas into engineered realities. With a dedicated **draughtsman-IT** and qualified **engineers** collaborating closely, we deliver **precision-driven technical drawings** and design solutions across mechanical, & electrical disciplines.
All designs and drawings are **developed in-house**, allowing for faster turnaround, tighter quality control, and seamless integration with our project teams—**from concept to execution**.

Our services include

- 2D & 3D Technical Drawings
- Mechanical and Electrical Layouts
- Custom Equipment and System Design
- Assembly and Fabrication Drawings
- As-Built Drawings and Revisions

We proudly completed a **comprehensive CAD project** for a major grain handling company, where we **designed and detailed all silo bins**, and associated infrastructure, while also supporting their **stock management** towards volumetric calculations and laser measurement.

From Concept to CAD
Precision in Every Line



CAD

Computer-Aided Design (CAD) is the use of computer software to create, modify, analyze, and optimize precise drawings and technical illustrations used in engineering and design. CAD enables the development of 2D and 3D models of physical components, systems, or entire projects, ensuring accuracy, consistency, and efficiency throughout the design process. .

ElectriCo

A proud subsidiary of Xnovest Africa:

Experienced team of electricians — all under one roof
Commercial, industrial, mining and residential

Don't take our word for it, trust the Potchefstroom community...

Best of Potch
READERS' CHOICE AWARDS 2025

Winners 2025

Voted as best electricians in the annual Readers Choice Awards 2025.

INDUSTRIAL & HEAVY INDUSTRIAL

COMMERCIAL

RESIDENTIAL

AGRICULTURAL

MINING



A proud subsidiary of

Xnovest Africa
Consulting Engineers

BACKGROUND

XA ElectriCo was established as a subsidiary of Xnovest Africa Consulting Engineers when the need was identified for professional electrical services with a difference. ElectriCo is backed-up by a team of Senior Engineers (Electrical and Mechanical) as well as project managers. We are well equipped, professional, reliable and proud of our work.

A PROUD DIVISION OF XNOVEST AFRICA:

Based in Potchefstroom, we have executed projects nationally as well as across the borders in Southern Africa.
We have extensive experience within various sectors, including commercial, industrial, residential and mining.
We assist the client from design consideration, actual design, implementation and maintenance - all from under one roof.
We strive to build lasting relationships with our clients.

TAKING PRIDE IN WHAT WE DO

This motto is not only on our office doors, we strive to live by it. Our company consists of a friendly and highly skilled team of experts.

We perform our work in the most efficient way using the highest standards and best techniques.

www.electrico.co.za

ElectriCo

Electrical Contractors

Best of Potch
READERS' CHOICE AWARDS 2025
Winners 2025

End-to-End Electrical Services

At Xnovest Africa, our **Electrical Division** delivers comprehensive electrical engineering and installation services that support all operations, infrastructure projects, and custom-built solutions. With a skilled team of **qualified electricians, engineers, and support staff**, we offer **end-to-end electrical services**—from design and construction to maintenance and commissioning.

All electrical works are done in-house, ensuring control over quality, timelines, and compliance with the latest safety and regulatory standards.

"taking pride in what we do"

EoC
Electrician on Call

Our services include:

- Electrical system design and installation
- Power distribution and panel building
- Cable routing, reticulation, and termination
- Electrical maintenance and shutdown support
- Energy metering and monitoring system integration
- Compliance testing and certification (SANS/IEC)
- Custom control systems and automation support

We are deeply rooted in the Potchefstroom community—from **sponsorships, bursaries and training** to friendly **service and expert advise**. We execute projects nationally and utilise our extensive industry-wide experience to provide our clients with the best solutions.

We are a registered and approved **EW SETA workplace** where college **students** can complete their **practical training** towards their **electrical qualification** while working alongside our experienced personnel— **and we love it!**

EW SETA



#weareElectrico

www.electrico.co.za | 018 001 0445

Power Centre
www.powercen.co.za

innovation in motion



Off-grid PC Light installation at Sasol / Wood laydown area

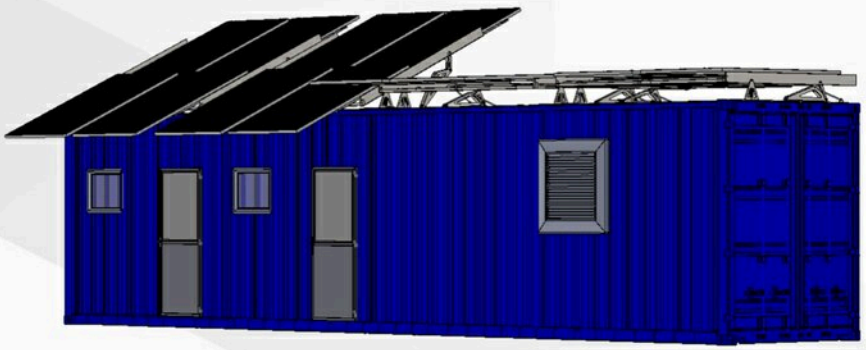
Designed, developed, manufactured, maintained and supported in-house from our workshop in Potchefstroom industria.

Power Centre
Home BAF Range

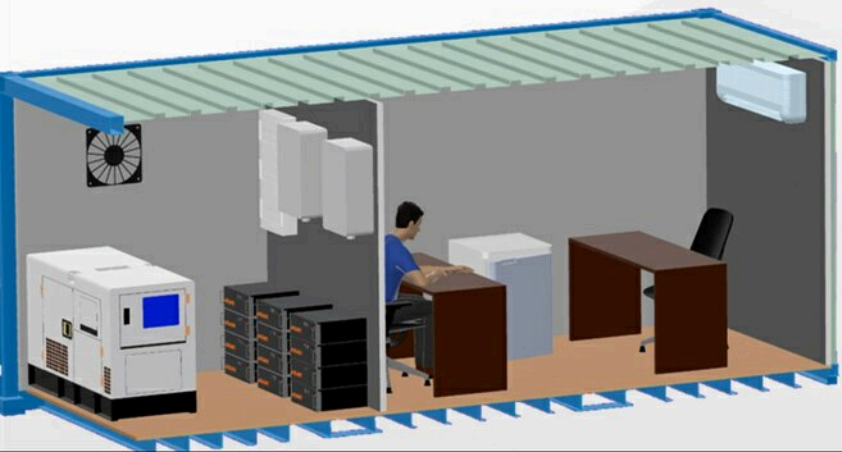
Power Centre Home: We received numerous requests for a budget home backup power solution - we listened. Engineered, designed, and assembled by highly skilled engineers and electricians - you may rest assured. The PC Home BAF was developed as a cost effective, easy deployable solar and battery back-up system aimed at the residential market. This system could be tailored to service low income / rural developments where there is no alternative power available.



Power Centre
Light



Power Centre Light was developed for remote site establishment, laboratories, field offices and labs, etc. Easy to move and easier to deploy - makes it your greatest remote site establishment asset.







Power Centre

www.powercen.co.za

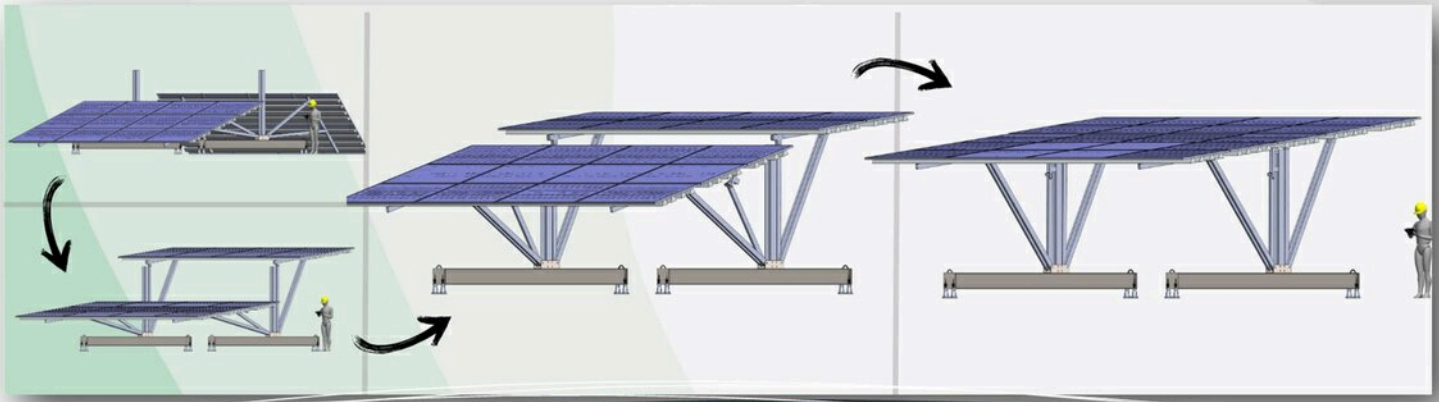
The Original Power Centre was developed for large scale power production and UPS functions, including transformer rooms and HT / LT Rooms.



MOBIPORT

solar carports

Power Centre MobiPort was developed for quick site establishment to address the easy and safe installation of solar modules without civil works. The unique design makes use of balusters to deploy the carports to accommodate up to 11kW of solar modules per carport while allowing parking for three to four vehicles. The carports can be moved when the project is complete during site de-mob without any civils works and easily used for the next project site.



Containerised Renewable Energy Solutions

Modular | Custom | Secured | Moveable | Sustainable

Xnovest Africa

Consulting Engineers

Mission, Vision & Core Values

At Xnovest Africa, we love people, Africa and our work. We take pride in what we do, and that makes all the difference.

Our vision is to be recognized by our clients as their preferred partner who is always available, professional and trusted. At Xnovest Africa we know our roots with a city professionalism. We aim at sustainability, to empower each client when a project is completed.

Our vision serves as a framework and guides every aspect of our business by describing what we need to accomplish to continue achieving sustainable, quality growth. We will live our values and manage our business with integrity. We will develop our professional staff in a socially responsible manner. We want to inspire hope, create value and make a difference through our culture by helping build and support sustainable communities for future generations.

It is our mission to bring energy know-how to Africa by providing professional, trusted, engineering knowledge and expertise to ensure affordable, reliability and sustainable energy solutions – tailored for each client.



Engineered Solutions that work for your business

Taking pride in what we do

Local | Experienced | Diverse



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