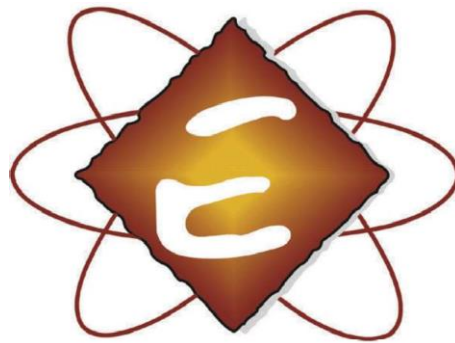


Established 2004



ENZANI
TECHNOLOGIES

COMPANY PROFILE

Contact us:

Physical Address

15 Gold Reef Road
Ormonde, Ext 35, 2091

Tel: +27 (0) 11 835 1880

*Scientists dream about doing great things.
Engineers do them!- James Michener*

ABOUT US

Enzani Technologies Pty Ltd. ('Enzani') was established in 2004 and started operations 1 June 2005. The name Enzani was derived from the isiZulu word 'Yenzani' which means 'Do'. We will 'do it' for our clients.

We build world-class electromechanical and instrumentation solutions in electricity, water, renewable energy and mining industries.

Owned and managed by black women who are experienced electrical engineers. **BBBEE Level 1.**

ISO 9001:2015 Certified

CIDB Grades: 8EP | 7ME | 7CE



OUR VISION

To be the best electromechanical and Automation engineering contractor in Africa within Water, Electricity, Renewable Energy and Mining Industries



OUR MISSION

We exist to make a difference in the sectors we operate in by providing excellent solutions, building lasting strategic partnerships and inspiring our people to strive for excellence.



OUR VALUES

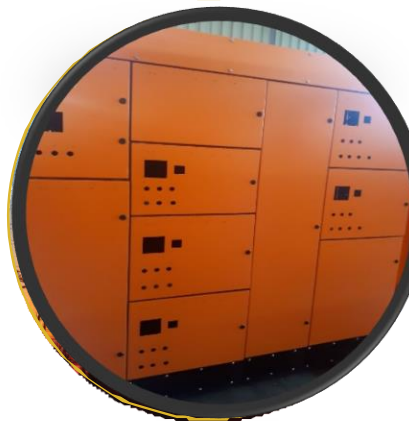
- Professionalism
- Accountability
- Commitment
- Safety
- Caring
- Respect



Industry Recognition

- Second runner-up for Technology for Women in Business, an initiative by the Department of Trade and Industry – 2008
- Winner of Technology for Women in Business: Medium-Sized Companies Award – 2009
- Overall winner of Technology for Women in Business – 2009
- Runners-up for BBQ Awards – 2009
- Finalist for Business Woman in Energy/Water: Africa Utility Week – 2016

INDUSTRY EXPERTISE



Plant Instrumentation & Automation | Power

Reticulation | Solar PV Systems| Control

Panels | HV Substations | Pumping Stations |

Wastewater Treatment Plants| Pipe

Reticulation

RENEWABLE ENERGY



OUR OFFERING

- Supply of Combiner Boxes
- Balance of Plant Design and Construction
- Eskom Self-build Option– Eskom Approved
- Solar panel installations
- Ground mount structures
- Battery storage installation
- Operations and Maintenance

P R O J E C T T R A C K R E C O R D



<i>Project</i>	<i>Type</i>	<i>Client/Contractor</i>	<i>Size</i>
De Aar	Solar PV	Mainstream/ Siemens	50 MW
Droogfontein	Solar PV	Mainstream/ Siemens	50 MW
Jeffreys Bay	Wind	Mainstream	138 MW
Soutpan	Solar PV	SunEdison/ABB	30 MW
Letsatsi	Solar PV	SolarReserve/Grupo Cobra	75 MW
Pulida	Solar PV	Enel/ Electronica/G5	82.5 MW
Adams	Solar PV	Enel/ Electronica/G5	82.5 MW
Aurora-Rietvlei	Solar PV	Solaire Direct	10.5 MW
Vredendal	Solar PV	Solaire Direct	10.5 MW

OUR INDUSTRIAL OFFERING



INDUSTRIAL POWER , INSTRUMENTATION & AUTOMATION

Construction management	High and Medium Voltage substations
Field Instrumentation – Pressure, Flow, Level, Temperature	Protection schemes
PLC and SCADA programming	Emergency power
Control & functional specifications	Variable Speed Drives Medium and Low Voltage
Industrial networks	Power lines
Fibre optic cable installationS	Motor Control Centers Panels
Cold and Hot Commissioning and user training	Plant Power reticulation & cable racking
Quality assurance and factory acceptance	Small power, lighting
	Earthing and lightening protection

HIGH VOLTAGE SUBSTATIONS

Complete Solution for:

- HV Yard Civils and Structures
- HV Outdoor Equipment
- Power Transformers
- Protection and Control Cabling
- MV Switchboard
- Protection and Automation
- Lightning and Surge Coordination
- Quality assurance and factory acceptance Cold and Hot Commissioning

PUMPING STATION AND WATER TREATMENT

Management of Specialist Subcontractor

- Pumping Stations
- Screening & Grit Removal
- Primary Sedimentation
- Surface Aeration
- Fine Bubble Diffused Aeration
- Dissolved Air Flotation (DAF)
- Sludge Thickening
- Suction Lift Clarifier's
- Heat Exchangers
- Digestor Mixing

WATER TREATMENT AND PUMPING



FLAGSHIP PROJECT: Upgrading of Sebokeng Water waste Treatment Works. Module 6 and De-Watering Plant

Client	Rand Water
Project Duration	24 months
Value	ZAR 134 Million
Location	Sebokeng, Gauteng province, South Africa

SCOPE OF WORK

Includes supply, delivery, installation, testing and commissioning of the following;

- Motor Control Centre (MCC)
- Power Factor Correction Equipment
- Medium and Low Voltage Cables
- 800kVA, 500kVA and 140kVA Emergency Generators
- MV Switchgear Panels
- Fiber Optic cables
- Lighting Protection
- High masts and Luminaries
- Cable trench excavations

OTHER PROJECTS

❖ Rand Water Vereeniging Pumping Station Engine Room 4

Client	Rand Water
Contract Value	ZAR 43.7 Million
Location	Vereeniging, Gauteng Province, South Africa
Project Duration	18 Months

❖ Driefontein Wastewater Treatment Works

Client	Johannesburg Water
Contract Value	ZAR 67 Million
Location	Muldesdrift, Gauteng Province, South Africa
Project Duration	18 Months

❖ Empangeni Pump Station Augmentation Electrical and Mechanical Works

Client	Umhlathuzi Water
Contract Value	ZAR 10 Million
Location	Richards bay, Kwa Zulu-Natal Province, South Africa
Project Duration	TBC



MINING WORKS

FLAGSHIP PROJECT: **Surface power supply and installation for the Kalagadi Manganese Mine in Hotazel**

Client	Kalagadi Manganese Mine
Project Duration	6 months
Contract Value	ZAR 7 million
Location	Hotazel, Northern Cape Province, South Africa

SCOPE OF WORK

- 3 x 500kVA mini-substations
- Medium voltage cabling – underground and on structure installations
- Low voltage cabling – on the ground and on structure installations
- High mast floodlights (30m)
- Motor control centres (MCCs)





TURNKEY SUBSTATION DIVISION

FLAGSHIP PROJECT: City of Tshwane construction of new JJ 132/11 kV substation

Client	City of Tshwane
Project Duration	36 months
Value	ZAR 120 Million (incl Free Issueds)
Location	Soshanguve, Gauteng Province, South Africa

SCOPE OF WORK

- Includes supply, delivery, installation, testing and commissioning of the following;
- 132KV HV Equipment (Circuit Breakers, CT's, VT's, Isolators, surge arrestors, lightning masts, etc.)
 - 11kV Switchgear Panels
 - Dual DC/AC Distribution Board
 - Medium voltage cables
 - Multi core control cables
 - High mast flood lights
 - Metering panels
 - Substation earth mat and earthing of structures
 - 132kV Steel Support Structures, Gentries and Busbars structures

OTHER PROJECTS

❖ Ekurhuleni Metropolitan Municipality

Client	Ekurhuleni Metropolitan
Contract Value	ZAR 10.5 Million
Location	Gauteng Province, South Africa
Project Duration	30 months

❖ Eskom SOC Ltd (North -Western Region)

Client	Eskom
Contract Value	ZAR 4 Million
Location	Northwest Province, South Africa
Project Duration	TBC

❖ Construction of Siermet Substation

Client	City Power
Value	ZAR 75 Million
Location	City of Johannesburg
Project Duration	26 months



PANEL DIVISION

PRODUCT POTFOLIO

Our Panel Division Manufactures Electrical and Control Panels as presented below;

- Motor Control Centre: User Includes industrial plants, mines, water and energy Utilities
- Local Control Panels: User Includes industrial plants, mines, water and energy utilities
- Combiner Boxes: Combiner boxes/string boxes for PV plants, user include PV plant
- Pneumatic Panels: User Includes industrial plants, mines, water and energy utilities

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Safety, Health, Environment and Quality (SHEQ)



In keeping with sustainable business practices, Enzani Technologies is committed to maintaining the highest standard of safety, health and quality without compromising our impact on the environment.

To this end, we are fully compliant with International Organisation for Standardisation (ISO) requirements:

- ISO 45001: 2018
- ISO 14001:2015
- ISO 9001:2015

Enzani has attained ISO 9001:2015 certification and is listed with the South African Bureau of Standards (SABS) as a SANS 9001:2015 certified entity.

In keeping with our commitment to continuous improvement in our product and service delivery, we are preparing for ISO 14001 and ISO 45001 certification.



SABS

Certificate of Registration

This is to certify that the Quality Management System of

ENZANI TECHNOLOGIES (PTY) LTD
Co Reg. 2007/035300/07
JOHANNESBURG

has been assessed and found to
satisfy the requirements of

ISO 9001:2015
QUALITY MANAGEMENT SYSTEMS - REQUIREMENTS

in respect of

**THE DESIGN, ASSEMBLY AND INSTALLATION OF ELECTRICAL,
INSTRUMENTATION AND AUTOMATION SYSTEMS AS PER CUSTOMER
REQUIREMENTS**

This certificate, including its scope, which forms an integral part thereof:
- is issued without fee;
- is identified by the registration number;
- is subject to any condition or limitation contained therein;
- is valid in the Republic of South Africa and in countries which are members of the International Organisation for Standardisation (ISO);
- is subject to the conditions of use set out in the SABS (SANS) 9001:2015 standard;
- the certificate may be used for advertising purposes to the extent of the scope of the certificate and the SABS (SANS) 9001:2015 standard.

Registration Number	LS 5263
Effective Date	13 December 2021
Expiry Date	20 April 2025
Date of Original Registration	21 April 2016
Official Representative	



Client Portfolio

Enzani Technologies has a proven track record of success – that is why we have been able to manage projects for both new and existing clients for more than a decade.



To support our experiences, we have client reference letters and completion certificate. A sample of client's references are listed below, which are also available on request.

HBIS GROUP **PMC**
PALABORA
MINING COMPANY

Energy and Electricity • Lefapha la Eneji le Maatla • UmNyango wezaMandla naGezi • Kgoro ya Enetili le Mohlagwa • Ndzawulo ya Eneji na Gezi • Umnyango Wazamandla Nezikagazi • Energie
• Elektrisiteit • Makhulu • UmNyango Wazamandla

