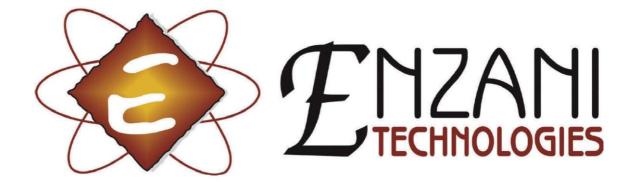




Established 2004



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 electromechenical 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

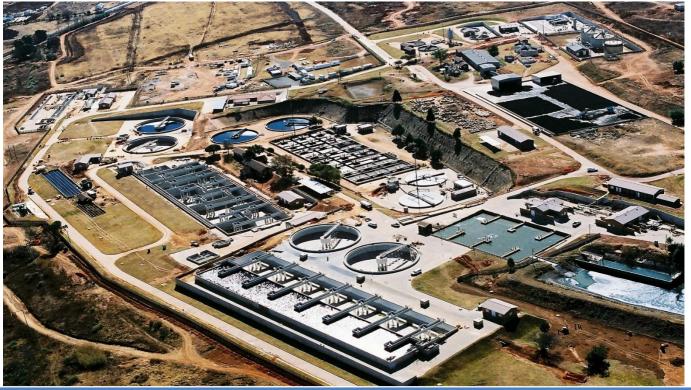
- Supply of Combiner Boxes
- Balance of Plant Design and Construction
- Eskom Self-build Option– Eskom Approved
- Solar panel installations
- Ground mount structures
- Battery storage installation
- Operations and Maintenance

PROJECT TRACK RECORD



Project	Туре	Client/Contractor	Size
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, INTRUMENTATION & AUTOMATION

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

HIGH VOLTAGE SUBSTATIONS	PUMPING STATION AND WATER
	TREATMENT
Complete Solution for:	Management of Specialist Subcontractor
HV Yard Civils and Structures	Pumping Stations
HV Outdoor Equipment	Screening & Grit Removal
Power Transformers	Primary Sedimentation
Protection and Control Cabling	Surface Aeration
MV Switchboard	Fine Bubble Diffused Aeration
Protection and Automation	Dissolved Air Flotation (DAF)
Lightning and Surge Coordination	Sludge Thickening
Quality assurance and factory acceptance Cold and	Suction Lift Clarifier`s
Hot Commissioning	Heat Exchangers
The Commissioning	Digestor Mixing

WATER

TREATMENT

AND

PUMPING



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

ClientRand WaterProject Duration24 monthsValueZAR 134 MillionLocationSebokeng, 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 Pumpi	ing 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 Treatn	nent Works
Client	Johannesburg Water
Contract Value	ZAR 67 Million
Location	Muldesdrift, Gauteng Province, South Africa
Project Duration	18 Months
Empangeni Pump Station Augn	nentation 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 Hotaze

Client Project Duration Contract Value Location

Kalagadi Manganese Mine 6 months ZAR 7 million 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 Project Duration Value Location City of Tshwane 36 monhts ZAR 120 Million (incl Free Issueds) 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, Gantries 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	n Region)
Client	Eskom
Contract Value	ZAR 4 Million
Location	Northwest Province, South Africa
Project Duration	ТВС
 Construction of Siermet Substa 	tion
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



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.



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 cases out and found to eatisfy 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 FER CUSTOMER REQUIREMENTS

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 Preside store for enjoying basis the embossed GAD's seet. The contrast mention the certificate may be as the 	er invitation contained increan complexities with contribution regularements of Commercial Steps I for the determine of the contracted by refer ring to the negation of GRSs Commercial without t <u>elever with ring co</u>
Registration Number	1.8 5263
Effective Date	13 December 2021
Expiry Date	20 April 2025
Date of Original Registration	21 April 2016
Chiel Executive Officer	(SK)
(IA	sanas

THE T

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.





REFERENCES

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.

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Date: 25/01/2021

Attention: TO WHOM IT MAY CONCERN

ERW201707/TNDR - 003: WATERVAL WASTEWATER CARE WORKS: POWER SUPPLY, CONTROL SYSTEM, AIR MANIFOLD AND ANCILLARY WORK REQUIRED FOR NEW AERATION BLOWERS PROJECT

REFERENCE LETTER FOR ENZANI TECHNOLOGIES (PTY) LTD

Ekurhuleni Water Care Company (ERWAT) has done business with Enzani Technologies (Pty) Ltd, hereinafter called Enzani, on a blowers' project. This letter serves as confirmation that Enzani has rendered the following services on behalf of ERWAT from 09% May 2018 until 10^o January 2021:

The supply and replacement of equipment and infrastructure for five new blowers (by others) and a common mein air header that supples air to two modules in parallet, of which each module consists of two independent reactors and each reactor has three aeration lanes with two air droppers into each lane with two (2) control valves in each lane (a total of 24 control valves distributed over Module 2 and Module 3), with all snolliary plant work for ERWAT Waterval Wastewater Care Works, Modules 2 and 3, including:

- Manufacture and supply a new Motor Control Centre and modification of existing Motor Control Centres;
 Install additional cable ladder and new cables in a staged manner in the blower

- Install additional cable ladder and new cables in a staged manner in the blower house;
 Decommissioning of all existing blower supply cables in a staged manner;
 Supply, install and commissioning of instrumentation cables to each Mod 2 and Mod 3 and decommission existing cables;
 Supply, install and commissioning of instrumentation cables to each Mod 2 and Mod 3 and decommission existing cables;
 Supply, install and commission biological aeration control system to ensure evaluation to an an evaluate to ensure optimum oxygen usage, thus existing paint-wide SCADA system for transmitting blower system shall integrate actisting on-actic instrumentation, now instrumentation and the scheder onew blogical aeration control system to all relavant and other field instruments, data transmitters, temperature, and oth probes and all other field instruments, data transmitters, temperature, and other for process air contot.
 Supply, manufacture and install pige spacialit and filtings to replace existing are interested.
 Supply, manufacture and install pige spacialities and filtings to replace existing are header in the blower house to match new blowers.
 Repair sections of the sirt header on the reactors:

Directors: Mr.C. Connish (Chairman), Mr. I. Gopene (Maneging Director) Mr.D. Coovedia, Dr.K.C. Wall, Dr.N.Skeepers, Mr.C. Vahlengu



LETTER OF REFERENCE - ENZANI TECHNOLOGIES (PTY) LTD

rves to confirm that Enzani Techno gies (Pty) Ltd (Reg n number 2007/035300/07) w acted by Group Five Construction (Pty) Ltd at the Pulida PV Plant to perform the electrical works rel to the 82.5MW solar PV facility at the Municipality of Letsemeng Local, Free State, South Africa, as well as at the Adams PV Plant to perform the electrical works relating to the 82.5MW solar PV facility at the Mu Morolang, Northern Cape, South Africa

cope of Enzani's work on these projects included the installation of the fo

- All plant earth
- LV and MV ca
- Solar cables Data cable
- Fibre optic ca Junction boxes
- minations of all cabl

Enzani performed the above scope of works during the period of November 2015 to December 2016

act the unde



Date: 12 September 2019 Attention: To Whom It May Concern

Dear Sirs

RE: - REFERENCE LETTER FOR ENZANI TECHNOLOGIES (PTY) LTD

This letter serves to confirm that Enzani Technologies (Pty) Ltd was awarded and completed the following projects Scope of Work within time and on budget; their approach to the project was professional and they produced quality work which was successfully implemented:-SUPPLY AND INSTALLATION OF FIRE SUPPRESSION SYSTEM power supply and instrumentation interphase

The project duration was 10 months and the value of the project was R1.7 million.

The scope of Enzani's work on this project included but not limited to the supply, delivery and installation of the following:

- Supply and installation of ASI and UPS cables
- Supply and installation of ASI and 0FS capies. Supply and installation of terminations for all cables supplied and inst Installation of Unistruit and supports for cables. Installation of ASI interfacing panels.

The work was carried out underground at Palabora Copper Mine at Growths lift II section.

I will not hesitate to recommend Enzani Technologies to anyone who requires their E & I services

Yours Sincerely



Grant E Taylo

Lift 2 Package Manager E & I & 2.13.3.1 Appointed Engineer



Energy and Electricity Department

Tel: Fax: Email:

Electricity Planning and Development Room 601 | 1st Floor | Bothongo Plaza East | 285 Francis B PO Box 423 | Pretoria | 0001 Tei: 012 358 9392/4201 | Fax: 086 651 9999 Email: Judicese@dishwane.gov.za | www.tshwane.gov.za Baard Street | Pr

TSHWANE

GID EE20-2015/16 Jan Mboyane Primary and Secondary Engineering Services 012 358 3790 N/A ne.gov.za

20 September 2021

Attention: Mr Jeffrey Mashimbyi Enzani Technologies (Pty) Ltd PO Box 31950 Braamfontein 2017

Dear Si

CONTRACT NO: SID EE20-2015/16 - TENDER FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMISSIONING OF EQUIPMENT FOR THE CONSTRUCTION OF NEW JJ 132/11kV SUBSTATION FOR THE CITY OF TSHWANE

This letter serves to confirm that Enzani Technologies (Pty) Ltd was appointed by the City of Tshwane as the main contractor for the above mentioned project and that they have successfully completed the work in accordance with the terms of the contract.

The scope of the project included among others the supply, delivery, installation testing and commissioning of the following items:

Item	Activity	Contract Value (Excl. VAT)
1	Civil Works:	
2	 Site establishment Clearing of site and bulk earthworks Design and construction of the substation building, access roads, paving & kerbing, substation perimeter fence, stormwater drainage system and casting of equipment foundations 	R21 830 842.43
2	Electrical Works:	
17	The supply, delivery, installation, testing and commissioning of the following items:	R 61 126 358.81

Concern Section A Webs 9 Country Estate Drive Welschill Business Estate Justice Very 1800 Postnet Bulle SCD Printle Reg X26 Survival 31 (277 Study Alfred)

Group Five Construction (Pty) Ltd



