

# ENZANI TECHNOLOGIES

**Your one-stop provider for electrical and automation solutions. 10 Years in operation! Look no further than Enzani.**

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## ABOUT US

Enzani Technologies Pty Ltd ("Enzani") was established in 2005 and has established itself as one of the best in South Africa as an Electrical & Instrumentation turnkey or Engineering Procurement Construction (EPC) contractor specialising mainly in Water, Renewable Energy and Mining sectors. It also operates an Electrical and Control Panels Assembly business.

It is one of the few established electrical contracting entity that is Black Women Owned and Managed by qualified Electrical Engineers.

Since its inception more than 10 years ago, Enzani has successfully completed various projects involving technical audits, engineering designs, procurement and installations, testing and commissioning of Electrical and Automation systems for both private and public sector clients.

*"We exist to make a difference in the energy sector by providing excellent solutions, building lasting strategic partnerships and inspiring our people to strive for excellence"*



## OUR VALUES

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



## OUR VISION

"To be the best electrical and automation engineering contractor in Africa within water, renewable energy, and mining industries"



## OUR MISSION

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



## Why choose Enzani as your partner in delivering your projects?

### REPUTATION IN INDUSTRY

Enzani has successfully completed large Electrical & Automation contracts in the past 10 years of its existence servicing clients such as Rand Water, Johannesburg Water, City of Mhlathuze, ABB, Siemens, Group Five, Kalagadi Manganese Mine, etc.



**WATER**



**RENEWABLE ENERGY**



**MINING**



**ELECTRICAL AND CONTROL PANELS**

*“We are fully compliant with the BBBEE codes of practice.”*

# YOUR RENEWABLE ENERGY SOLUTION

With our partners, we are involved in building capacity and expertise in the renewable energy sector. Look no further for your energy solution.

## OUR ENERGY DIVISION

South Africa is in the forefront of Renewable Energy IPP and Procurement Program in Africa. Enzani was amongst the first companies to participate in Round 1 of this flagship programme. Enzani partnered with international and leading Renewable Energy Developer, on three Round 1 projects namely 50MW De Aar PV plant, 50MW Droogfontein PV plant and 138MW Jefferys Bay Wind Farm.

Today, Enzani continues to be involved in various large scale photovoltaic plants offering electrical installation and manufacturing of combiner boxes and has a pipeline of small scale PV plants.

## OUR PROJECTS

### FLAGSHIP PROJECT

**The Electrical Works for the 75MW Letsatsi Photo Voltaic Plant.**



<b>Client:</b>	<b>FireFly, EPC</b>
<b>Duration of Contract:</b>	<b>8 months</b>
<b>Contract Value:</b>	<b>R 13m</b>
<b>Location:</b>	<b>Bloemfontein, South Africa</b>

### SCOPE OF WORK

The Scope of the Project was installation and commission of the electrical works for the Letsatsi PV Plant includes:

- Installation and terminations of Low & Medium voltage cables
- Installation of AC Low voltage –Auxilliary services
- Assembly of HV & LV electrical panels
- Supply & Installation of lighting fittings
- Assembly of PCB boxes
- Assembly of SCB boxes
- Installation, connection & testing of Earthing system



# TOP ELECTRICAL CONTRACTOR IN THE WATER SECTOR

Enzani started small in the water sector and over the past 10 years have advanced to become one of the top electrical and automation contractors in the water sector.

## OUR WATER DIVISION

Water is a scarce resource in Africa and globally. South African Government like many others is focusing on water and sanitation maintenance, upgrades and new infrastructure.

Enzani believe that with its expertise and experience it can offer turnkey electrical and automation for much needed water treatment plants.

## OUR PROJECTS

### DRIEFONTEIN WASTEWATER TREATMENT

The Electrical and instrumentation Works for Johannesburg Water, Driefontein Wastewater Treatment Works.



<b>Client:</b>	<b>Johannesburg Water</b>
<b>Duration of Contract:</b>	<b>18 months</b>
<b>Contract Value:</b>	<b>R 68m</b>
<b>Location:</b>	<b>Johannesburg, South Africa</b>

### SCOPE OF WORK

The Scope of the Project was design, procure, install and commission of the Electrical, Control & Instrumentation Equipment of the 25ML/day Expansion at Driefontein Waste treatment. The scope included the following main activities:

- 3 x 500kVA mini-substations
- Racking
- Medium Voltage Cabling (underground and on structures installations)
- Low Voltage Cabling (on the ground and on structures installations)
- 30m High Masts
- Motor Control Centres (MCC's)
- Small Power and Lighting
- Earthing and Lightning Protection

# ENZANI TECHNOLOGIES

Your one-stop Provider for Electrical and Automation Solutions.  
10 Years in operation!

## OUR MINING DIVISION

Enzani provides a full range of LV and MV and automation services to the mining sector.

We have a qualified team of engineers and project managers who have worked in the mining sector and therefore can be relied on for design and installation of surface and underground.

## OUR PROJECTS

### KALAGADI PROJECT

Surface power Supply and Install for the Kalagadi Manganese Mine in Hotazel.



<b>Client:</b>	<b>Kalagadi Manganese Mine</b>
<b>Duration of Contract:</b>	<b>6 months</b>
<b>Contract Value:</b>	<b>R 7m</b>
<b>Location:</b>	<b>Hotazel, Northern Cape, South Africa</b>

### SCOPE OF WORK

#### Scope of Works included:

- 3 x 500kVA mini-substations
- MV Cabling (underground and on structures installaitons)
- LV Cabling (on the ground and structures installations)
- 6 x 30m High Masts
- Motor Control Centres (MCC's)



## OUR PRIDE

Is our professionalism and good quality service which have earned us reputable clients and partners, in both the private and public sector.

## OUR PANEL DIVISION

The company started a panels division in October 2007. We offer low Voltage Panels, Control Panels, PLC panels, Combiner Boxes with the clientele that include Alstom, Clyde Bergemann, GKD Delkor and Johannesburg Water. The operation is ISO 9001 (2008) accredited.

There are plans to expand the capacity of the existing control panel building section to include >10kA Low Voltage Panels, Medium Voltage Panels, Motor Control centres, etc.



## OUR FACILITY & INFRASTRUCTURE

Our business operates from Ormonde, South of Johannesburg. The building houses, offices and workshop.

## OUR PRODUCTS



### PLC PANELS

USER INCLUDE - INDUSTRIAL PLANTS, MINES, WATER AND ENERGY UTILITIES



### LOCAL CONTROL STATIONS

USER INCLUDE - INDUSTRIAL PLANTS, MINES, WATER AND ENERGY UTILITIES



### COMBINER BOXES

COMBINER BOXES / STRING BOXES FOR PV PLANTS  
USERS INCLUDE- PV PLANTS



### MIMIC CONTROL PANELS

USER INCLUDE - INDUSTRIAL AND PROCESS PLANTS, MINES



### PNEUMATIC PANELS

USER INCLUDE - INDUSTRIAL PLANTS, MINES, WATER AND ENERGY UTILITIES



# Service and Product offering

## ENGINEERING CONTRACTING SERVICES

The company service and product offering within our EPC business include Design, Procure, Install, manage, test, commission & handover with “As-Built” Documentation of electrical and instrumentation works includes:

- HV Substations up to 132kV (Foundations, structural steel, equipment and stringing)
- MV Systems (Transformers, cables , rack-ing, switchgear, motors and VSD's)
- LV Systems (Transformers, cables , rack-ing, switchgear, motors and VSD's)
- Small power and lighting
- Standby Power
- Hazardous area installations
- Data Networks (Fibre Optics , Ethernet, Profibus , Modbus Plus, ASI)
- Cabling
- Racking
- Earthing and Lighting Protection
- Junction Boxes
- Instrument panels
- PLC panels
- Instruments (Flow level, temperature, pressure etc.)

*“Enzani provides a broad range of services and products in Electrical and Automation disciplines focusing in water, renewable energy and mining sector.”*



# Safety, Health, Environment and Quality

## SHEQ

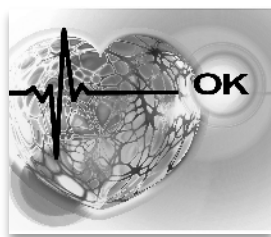
Enzani is committed to the satisfaction of all stakeholders. In pursuing this, we run our company according to a moral philosophy that strikes a well-reasoned balance between economic, social and environmental needs. The Management and Staff recognise the impact that our activities can have on people and the environment.

We have implemented Safety, Health, Environmental and Quality Management systems that are benchmarked to the International Organisation for Standardisation (ISO) requirements namely, OHSAS 18001, ISO 14001:2015 and ISO 9001:2008. Enzani has attained ISO 9001:2008 certification and is listed on the South African Bureau of Standards (SABS) website as a SANS 9001:2008 certified entity. Plans are in place to obtain ISO 14001 and OHSAS 18001 certification in the year 2016. We are committed to satisfying our customers by consistently providing quality services and products.

We engage in sustainable development by delivering simultaneously lasting economic, social and environmental benefits to society. Safety, health and protection of the environment will form an integral part of our planning and decision-making. In the past ten years Enzani has done work for various customers on various sites ranging from solar plants, waste water treatment, mines, substations and commercial buildings. Regardless of the complexities of each project by way customer requirements, product requirements and various SHE hazards and associated risks, we have managed to maintain a clean SHEQ record with our customers. To date we have not suffered any major SHE incidents or fatalities. We are thus committed to ensuring zero harm to our employees, customers' employees, the public and the environment.



**SAFETY**



**HEALTH**



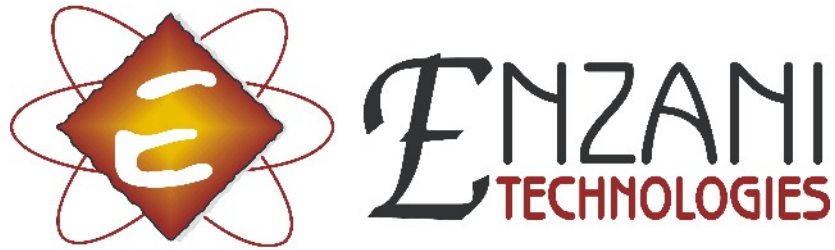
**ENVIRONMENT**



**QUALITY**

*“ Enzani has attained ISO 9001:2008 certification and is listed on the South African Bureau of Standards (SABS) website as a SANS 9001:2008 certified entity. ”*





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#### REFERENCES

To support our experiences, we have client letters available on request, that we have collected over time as well as completion certificates.

We have consistently delivered quality service to Johannesburg Water, Rand Water, Alstom and Group Five to an extent that they can now trust us with larger and complex contracts.



#### QUALIFICATIONS

We have a team of experienced project engineers both Mechanical and Electrical & Automation as well as site supervisory team of technicians and electricians.



#### COMPANY ACHIEVEMENTS

- Overall winners of the 2009 Technology for Woman in Business Awards sponsored by DTI.
- Winners of the 2009 TWIB Medium Sized Companies Award.
- 2nd runner-up of the 2008 TWIB award.
- Runners up of the BBQ Awards 2009.
- Tlaleng Moabi - Finalist of Business Woman in Energy / Water Utility Week 2016

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*Why the name Enzani?*

*The name Enzani was derived from the Zulu word “yenzani”, which means MAKING IT HAPPEN. We will ensure that we make it happen for our clients,*

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# ENERGISED FOR EXCELLENCE

## OUR CLIENTS



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*It is our professionalism and good quality service  
which have earned us reputable clients and partners,  
in both the private and public sector.*

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