



2025

ZITHEMBILE ENGINEERING (PTY) LTD

COMPANY PROFILE

RESTORING TRUST IN OUR INEQUALITY SERVICE

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About US



*“ We build **reliable engineering** solutions that keep power plants running and industries moving forward.*

Restoring Trust in Quality Services

About Our Company

Zithembile Engineering (Pty) Ltd is a black woman-owned, Level 1 B-BBEE engineering services company based in Witbank, Mpumalanga.

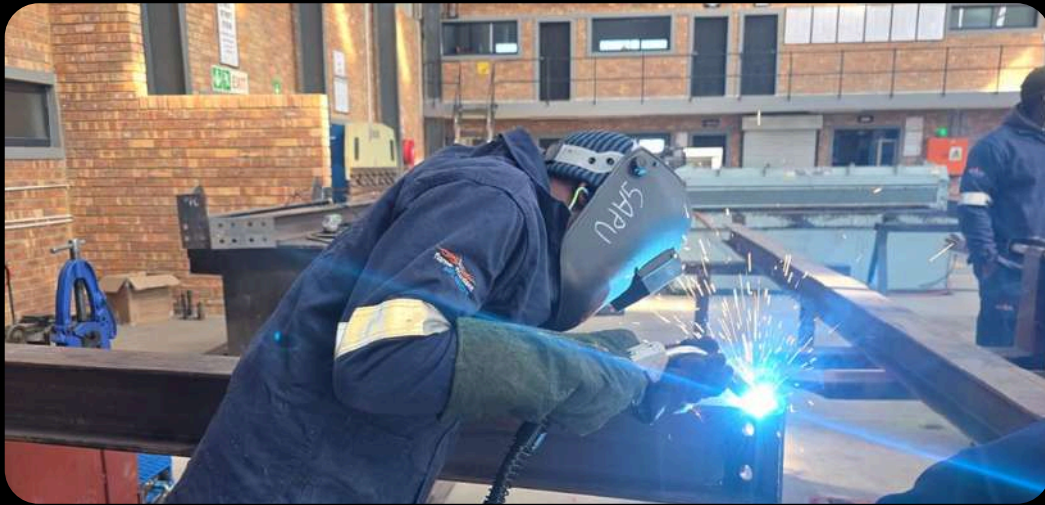
Our business is built on a foundation of technical excellence, people empowerment, and quality delivery across South Africa's most demanding industries.

We specialise in mechanical, electrical, and instrumentation engineering, offering both workshop-based and on-site solutions. With over 2 400m² of dedicated workshop space, a highly skilled team of more than 60 technical professionals, and a fleet of mobile service units, we deliver results where they are needed most.

We are proud to be accredited by ISO 9001:2015, ISO 3834, CIDB Level 7, and recognised by industry bodies such as QCTO, CETA, and MERSETA. Our training division is fully equipped to offer apprenticeships, learnerships, and trade readiness programmes, helping build a workforce that is ready for South Africa's industrial future.



Mission, Vision, and Values



At ZiThembile Engineering, our purpose goes beyond completing technical jobs. We are here to build long-term partnerships, develop skilled people, and deliver industrial solutions that stand up to real-world pressure.

Our Mission

To deliver engineering solutions that solve real industrial challenges while contributing to South Africa's growth through local empowerment, quality workmanship, and long-term client partnerships. We exist to support industry through trust, reliability, and the upliftment of skilled professionals who represent the future of engineering.

Our Vision

To become South Africa's most trusted industrial partner, known for delivering high-quality engineering solutions that support economic growth, job creation, and sustainable development. We aim to lead through innovation, set new standards in service delivery, and create real opportunities for empowerment across all levels of the business.

Our Values



People Empowerment



Integrity



Customer-Centricity



Safety First



Innovation

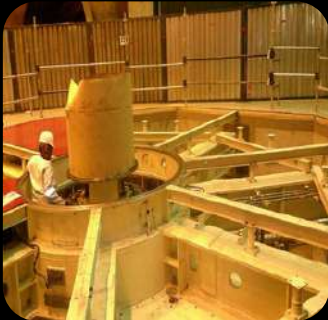


Quality Service



Our Core Services

Our work is hands-on, technical, and built for industries that cannot afford delays or downtime.



01 Precision Machining

High-accuracy machining of components to meet exact operational and dimensional requirements.

02 Structural Steel Fabrication

Fabrication of steel frames, structures, and supports for industrial and infrastructure use.

03 Specialised Welding

Certified welding processes for high-pressure, structural, and custom applications.

04 Profile & Plasma Cutting

Computer Numerical Control profile and plasma cutting for a wide range of materials and thicknesses.

05 Mechanical Component Refurbishment

Repair and restoration of worn mechanical parts to full working condition.

06 Assembly & Maintenance Services

Installation, assembly, and ongoing servicing of plant and industrial equipment.

07 On-Site Machining Solutions

Portable machining services including line boring, pipe cutting, and keyway cutting on location.

08 Control & Instrumentation

Automation systems, panel design, loop testing, and SCADA support for process industries.



Control & Instrumentation (C&I)

Our Control and Instrumentation division provides full automation and process control solutions, helping factories, power stations, and industrial plants run safely, efficiently, and without interruptions.



Control & Instrumentation

Complete automation and process control solutions, from panel design to PLC programming and system calibration.

PLC Programming and SCADA Integration

Programmable Logic Controllers configured for real-time control, with full SCADA system visualisation.

System Retrofits and Upgrades

Modernising outdated control systems to improve plant efficiency, safety, and digital readiness.

C&I Panel Design and Assembly

Custom-built control panels designed, wired, and tested for reliable plant operation and compliance.

Loop Checks and Instrument Calibration

Accurate testing and tuning of instrument loops to ensure system accuracy and process stability.

Emergency Support and Maintenance

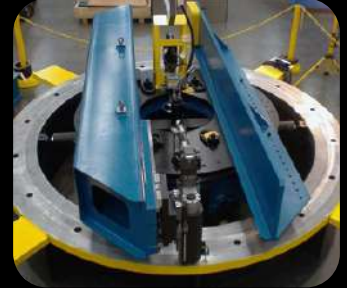
Rapid-response troubleshooting and repairs to restore functionality and minimise plant downtime.





On-Site & Field Services

When equipment cannot be moved or time is limited, we bring our specialised tools and skilled teams directly to your site for fast, high-quality repairs and support.



On-Site Machining

Line Boring

Precision on-site boring to restore alignment in worn or oversized holes in heavy machinery components.

Flange Facing

Accurate resurfacing of flanges on pipes, vessels, and equipment to ensure a proper seal during reassembly.

Pipe Cutting

Clean, precise on-site pipe cutting for replacements, modifications, or emergency shutdowns.

Keyway Machining

Cutting or refurbishing keyways on shafts and components directly on site without disassembly delays.

Field Services

Boiler Mills Maintenance

Full mechanical support for the installation and maintenance of boiler mills and pressure systems.

Turbine Plant Maintenance

Full mechanical support for the installation and maintenance of boiler mills and pressure systems.

Control Panel Upgrades

Modernisation and reconfiguration of existing control panels to meet updated system and safety standards.

Valve and Pump Stripping

Disassembly, cleaning, inspection, and preparation of valves and pumps for repair or rebuild.

Peaking Stations Outages

Renewable Energy Maintenance and Outages

Support for solar, wind, and hydro systems, including inspections, cleaning, performance testing, and system repairs to ensure stable energy output and longer system life.

Peaking and Thermal Plant Maintenance

Specialised maintenance of peaking power stations and thermal units, covering turbines, boilers, electrical panels, and instrumentation.

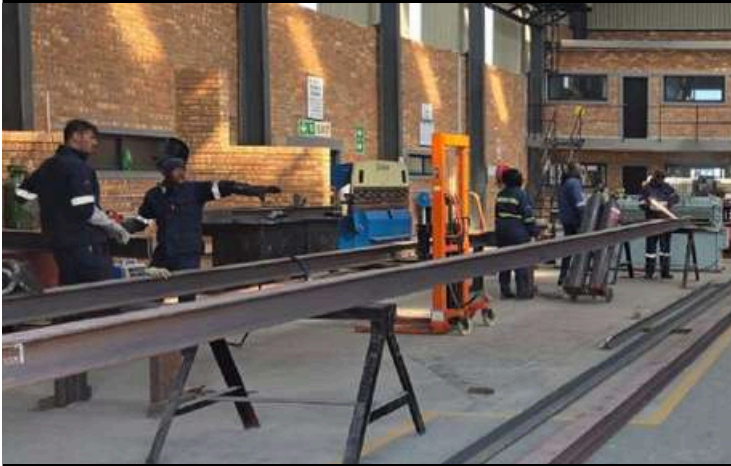
Grid and Storage Support Services

Operational support for hydro storage systems, grid balancing, control system upgrades, and performance monitoring for integrated energy plants.



Workshop services

Zithembile Engineering supports industrial and power generation projects with both in-house fabrication and site-ready manpower. Our services are structured into two core areas:



Workshop-Based Services

- 2 400 m² engineering workshop with 5-ton overhead crane
- Structural steel fabrication and specialised welding bays
- Precision machining and profile cutting
- In-house repairs, refurbishments, and maintenance
- Mobile container units for transportable workshop support

Skilled and Unskilled Labour Supply

- Supply of fitters, boilermakers, electricians, welders, and C&I technicians
- Pre-vetted labour with experience in peaking and gas stations
- Unskilled local labour for site support and general duties
- Registered with MEIBC and Department of Labour as a TES provider
- Track record at Eskom sites including Acacia, Gourikwa, Gariep, Vanderkloof, and Ingula



Why Use Us

We do the work ourselves, with the right tools, proper skills, and industry-approved systems. These are four reasons companies rely on us:

We work on-site with our own equipment

Our team arrives with mobile containers, machining tools, and everything needed to complete the job on location. No waiting for parts or back-and-forth delays.

Our certifications are valid and recognised

We are accredited by ISO, CIDB, QCTO, MERSETA, and CETA. This means our work meets required standards from both technical and compliance sides.

We have experience in high-risk environments

Our teams have completed shutdowns and system upgrades at power stations and plants. We understand site access, safety protocols, and time-sensitive work.

We train and manage our workforce directly

The technicians and artisans on site are trained through our own QCTO programmes. We do not rely on external labour for core services.





Our Portfolio

Zithembile Engineering has completed mechanical, electrical, and control-related projects for leading companies in power generation, manufacturing, and industrial maintenance. Below is a list of key clients and examples of the work we have delivered for them.



Eskom Peaking Station – Kusile and Hendrina

- Labour supply for outages
- Electrostatic precipitator system upgrades
- Hydraulic valve refurbishments
- Control and instrumentation support during outages



GE Vernova

- On-site welding and structural support
- Field mechanical services during unit shutdowns
- Fabrication and machining



Air Liquide

- Valve inspections and instrumentation loop testing
- Safety-critical welding procedures and compliance checks



Mitsubishi Hitachi Power Systems

- Kusile mills maintenance and outages

Other Clients we Services

IMR HAMBURG
Group IMR Holding Company



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Accreditations and Compliance

Zithembile Engineering is fully accredited to perform specialised engineering, machining, welding, and training services. All our operations follow industry and legal requirements to ensure safe, consistent, and high-quality outcomes.



Company Certifications

- ISO 9001:2015
- ISO 3834
- CIDB Level 7 ME
- CIDB Level 7 EE
- CIDB Level 7 PE

Training and Skills Development

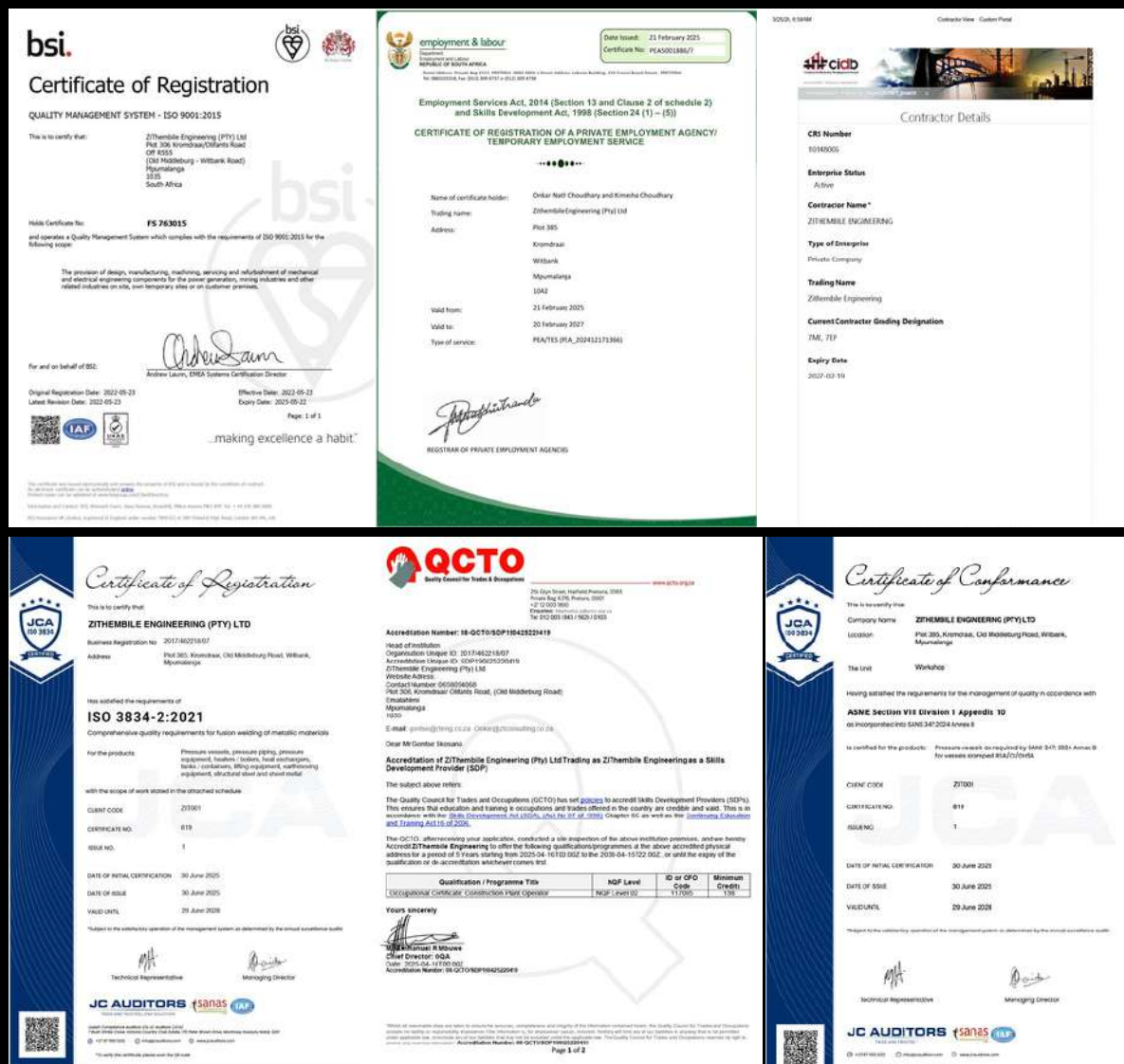
- QCTO Accredited Skills Provider
- CETA Approved Workplace Provider
- MERSETA Approved Workplace Provider

Labour and Site Compliance

Registered to provide **Temporary Employment Services (TES)** for field and shutdown projects.



Certificates



Our Certifications and Compliance page lists all the official accreditations that confirm ZiThembile Engineering's ability to deliver work that meets industry, legal, and safety standards. These certifications support our credibility across mechanical, electrical, and training services.



Our Geographic Reach

Zithembile Engineering has the capacity to mobilise skilled teams, equipment, and workshop support across **multiple provinces** in South Africa.



Our operations are not limited to a single region. We work where the project is, whether it is a shutdown at a coastal peaking station or fabrication support for a plant in the Highveld.

We have completed work and deployed personnel to:

- **Mpumalanga** – Head office, workshop operations, and multiple Eskom coal-fired stations
- **Western Cape** – Maintenance work at Acacia and Gourikwa peaking stations
- **Eastern Cape** – Support for grid-connected systems and instrumentation work
- **Northern Cape** – Field labour supply and solar energy services
- **Gauteng** – Control panel integration and fabrication services for clients
- **Free State** – Projects at Lethabo Power Station and client support facilities





Contact Us

**For inquiries,
contact us.**

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