

COMPANY PROFILE

2022





Overview

Zwane Inspection PTY (Ltd) was established in 2001 as an entity that offers fully fledged NDT methods and Metallographic Replication services. The company has been established to cater for advanced metallurgical inspection and services needs mainly for the thermal power generation industry, with Eskom being the anchor customer as well as the petrochemical (Sasol) and other industrial process plant.

Zwane Inspection (Pty) Ltd has a fully-fledged NDT, Metallographic replication, Metallurgical Consulting Services and Boiler Inspection business units.

- Leading company on Metallographic Replication service in South Africa (70% market share in Replica business).
- Over 168 permanent employees, and approximately 350 seasonal workers.
- Company has 2 branches in the country, Head office is located in Middelburg (Mpumalanga) and other satellite office is Vereeniging.
- Company has been in existence for 20 years in the NDT industry.
- Level 2 BBEEE and BWO organisation.
- ISO 9001 accredited company for the past 10 year
- ISO 45001 accredited company



Our people **our greatest asset**

Method	Equipment	Resources	Years of Experience
NDT	200	150	20
PMI	4	5 Technicians	12 years
Replication	40	36 Technicians	19 Years
Metallurgical Assessment		4 Metallurgist	7 years
Hardness Testing	5 Machines (2 UCI and 2 Rebound)	4 Trained HT Technicians	19 Years
Metallurgical Investigations	6 Microscopes	4 Metallographers	12 Years

Our service offering



NDT Inspection Disciplines

- Ultrasonic testing (UT) and Phased Array UT
- Magnetic particle inspections (MPI)
- Penetrant testing (PT)
- X-ray
- Dimensional checks
- Visual examinations
- Positive material identification (PMI)
- Flow accelerated corrosion (FAC) inspections
- NDT level III services
- Pocket ultrasonic testing
- Acousticeye inspection
- Hardness testing

Metallurgical and Welding Consulting

- Assessment of Metallographic Replicas
- Remaining Life Assessment and Inspections of High Temperature, High Pressure Components
- Design, Repair and Modification review
- Expert Metallurgical, Corrosion and Welding Advice
- Failure and Incident Investigation

Metallographic Replication

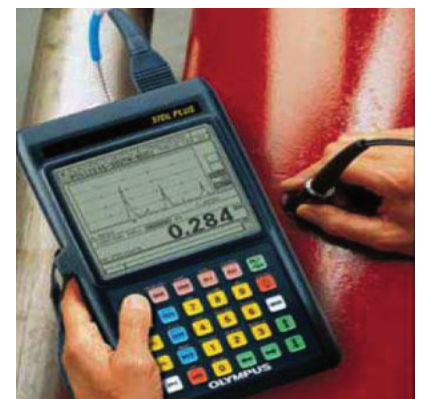
- Plant Access and Inspection Preparation
- Large scale projects related to the metallographic replication of industrial plants
- Quality Assurance and Quality Control procedures followed during all metallographic projects, thus reducing decision time
- In-house replica evaluation which enables the identification of high risk components
- Investigative metallographic replication



Micro Phased Array



Digital Radiography



Tube Solo Inspection

Project Management

Our experience in multiple industries enables us to effectively apply our well developed skills to initiate, plan and execute projects timely and effectively within desirable budget requirements.

Quality and safety

Zwane Inspection (Pty) LTD is ISO 9000 Certified and adheres to all the regulatory and client Health, Safety and Environmental requirements.

TUV Cert 01100928301

- In-house safety training and induction
- Safety induction at customer sites



Your Benefits

We have created a One Stop Shop in the NDT inspection for clients by offering:

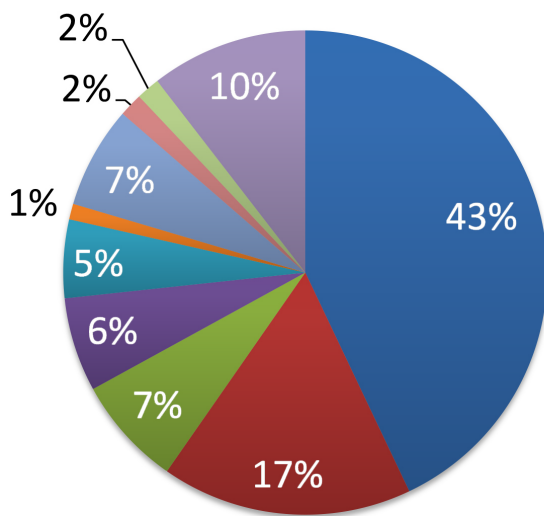
- Well-trained inspection technicians with a depth of experience and expert knowledge
- Many years of experience in the field of Metallographic Replication and
- Extensive array of non-destructive testing services.
- Level III consulting capability
- Well-documented technical procedures and standards
- Compliance with international specifications and local requirements.
- Digitized inspection results for future reference and verification.
- Reliable and calibrated equipment



Our Clients

Client Revenue Distribution

- Eskom
- Sasol
- Steinmuller
- PetroSa
- Sebenzana
- Alstom
- Babcock
- Sappi
- Mondi
- MHPS



Zwane Inspection has over 25 customers
Our Major customers are:



trusted to deliver



Contracts

Projects and Contracts The company has been a part of the exciting project at Eskom various Power Stations in South Africa during the reinstatement and life extensions program. The following contracts were obtained for both maintenance and for Outages.

Client	Description (Scope Of Work)	Contract Duration
Eskom- Tutuka PS	NDT Inspection Methods- RT, UT, MT/PT, WT,HT and Replication.	7 years
PetroSA	Replication and Metallurgical consultant	5 years
Eskom- Lethabo PS	NDT Inspection Methods- RT, UT, MT/PT, WT,HT and Replication.	6 Years
Eskom-Arnot Power Station	Boiler Inspection and NDT and Replication	10 Years
Eskom-Hendrina	Provision of NDT for Boiler 1-10	10 Years
	NDT & Replication on High Pressure Piping	20 years
Eskom- Kriel	FAC – WT and DRT	5 years
	NDT Inspection (MT/PT, UT, PAUT)	4 years
(MHPSA)-Kusile and Medupi	Replication	6 years
Sasol	Metallurgical Support and Replication	7 years

References

We have done **Non Destructive Testing** for the following companies:

Company	Term	Scope
Eskom (Tutuka, Arnot, Hendrina PS and etc.)	5-15 years contracts	Maintenance contract (Boiler QC Inspection and NDT)
SAPREF	5 year	All NDT Activities, Excl. RT
PETROSA	5 year	All, Excl. RT
SAPPI- SAICOR	AWR	Boiler Maintenance
GE- ALSTOM	3 year	(Turbine and Generator components)



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