



PROJECTS

A MEMBER OF THE TWO ROADS GROUP

NON-DESTRUCTIVE TESTING | HEAT TREATMENT SERVICES | CORROSION PROTECTION



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WHO WE ARE

NDT Projects provides a wide range of Non - Destructive Testing (NDT) methods, heat treatment services, specialised coating services and corrosion protection including, pickle and passivation services.

NDT Projects prides itself in offering a wide variety of quality, cost-effective services, that are strictly compliant to adopted procedures, in accordance with ISO 9001: 2015, ISO H5001: 2018 ISO 45001:2018 and ISO 14001:2015.

At NDT Projects our constant goal is to ensure zero injuries to anyone, at anytime. We work hard to ensure best practice global safety systems and processes, as well as, continually strengthening the knowledge and skills of our team members.

These efforts are reflected in our reputation for delivering projects within time and on budget with world class safety conditions and required quality controls.

INDUSTRIES

Our client base consists of companies in the following industries:

- PETROCHEMICAL
- WATER
- FOOD AND BEVERAGE
- GAS
- RAIL
- MINING
- FABRICATION AND MANUFACTURING
- POWER GENERATION

NDT Projects is a LEVEL 2 BBEEE contributor and 90% black owned.



NON-DESTRUCTIVE TESTING

Our Non-Destructive Testing department delivers in the following methods:

- RADIOGRAPHY TESTING - ASNT & PCN
- MAGNETIC PARTICLE TESTING - ASNT & PCN
- LIQUID PENETRANT TESTING - ASNT & PCN
- HARDNESS TESTING
- WALL THICKNESS TESTING
- ULTRASONIC TESTING
- ON-SITE METALLOGRAPHY TO CHECK MICROSTRUCTURE AND SIZE GRAIN (REPLICA'S)
- VACUUM BOX TESTING
- SOAP LEAK TESTING

The NDT department offers Mobile Darkroom Services that can be set up on site, to ensure rapid results and turnaround times. All equipment is calibrated according to SANS standards and always kept in good condition.

Our staff is well trained, with a wealth of experience. Regular in-house and external training is given to staff to keep them updated with the latest professional techniques available in the market, to ensure the highest quality of work is delivered to our customers. Our staff is available to assist you with whatever NDT requirements you may have.

- Level I Welding Inspectors (SAIW)
- Level I & II NDT Technicians (ASNT/PCN/SAQCC)



HEAT TREATMENT

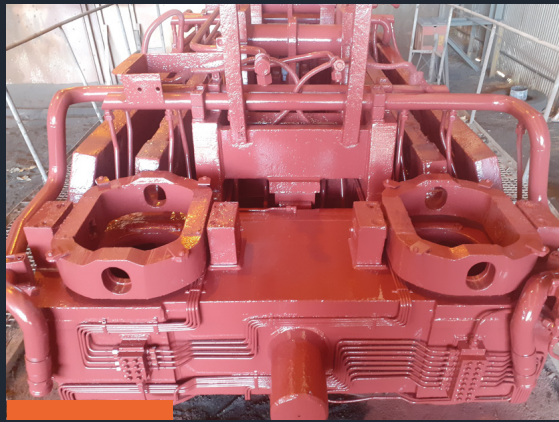
Our heat treatment department delivers the following professional services:

- **POST WELD HEAT TREATMENT**
- **PRE-HEAT**
- **NORMALISING**
- **DE-GASSING (HYDROGEN DIFFUSION)**
 - mobile collapsible furnace (3m long x 3m high x 3m wide or 6m long x 3m high x 3m wide)

As a result of our Heat Treatment expertise, we can offer the industry a host of heat treatment processes, designed to ensure desired material properties of steel and alloys, in addition to our mobile collapsible furnace (3m long x 3m high x 3m wide).

All equipment is inspected prior to work commencement. Temperature charts are fully identified and referenced with respect to the thermocouple / trace arrangements. The charts also identify heat treatment temperatures, date(s) and time(s) and are accompanied by reports completed and signed off by a heat treatment technician.





CORROSION PROTECTION

Service Offering:

- Sandblasting on piping internal lining from 250NB up to 3m in diameter.
- Piping external coating.
- Dustless Sandblasting.
- Pipe wrapping systems (Denso wrapping)
- Tank lining and external coatings.

Capabilities:

- Structural steel, vessels, plate work and piping.
- Working according to the following - Sasol, Arcelor Mittal, VOITH, Anglo, SENET, Sibanye, Stillwater, Shell, Omnia, SEW and TAKRAF Specifications.
- We are approved applicators for all major coating manufacturers such as Stoncor, Jotun, Sigma and International (Akzo & Nobel).

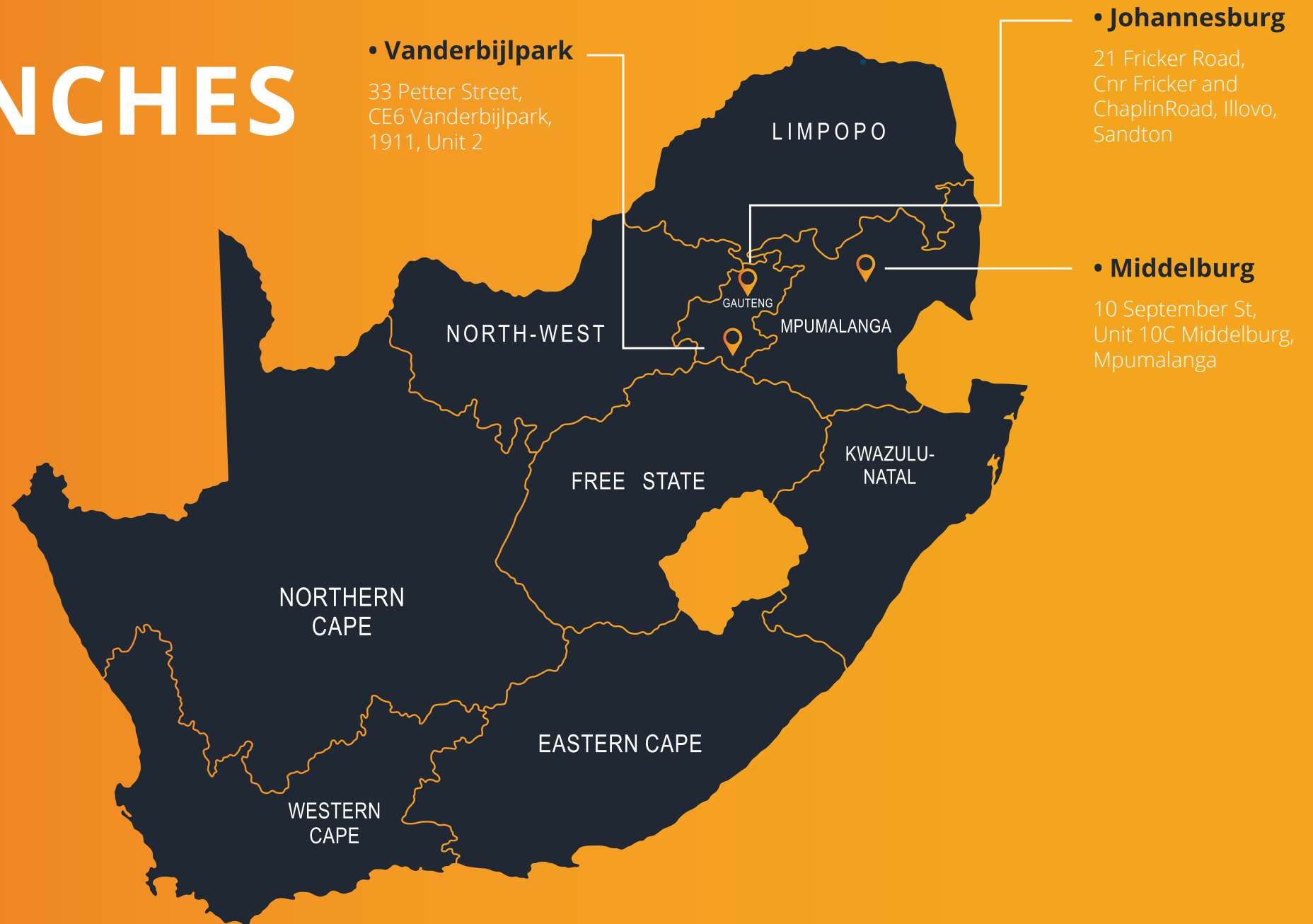
We apply the following coating systems:

- **AMINE CURED MODIFIED EPOXY PHENOLIC.**
- **HIGH-BUILD FLAKE-FILLED PHENOLIC EPOXY.**
- **TWO-COMPONENT ZINC FILLED CROSS-LINKED EPOXY PRIMER.**
- **EPOXY POLYAMIDE.**
- **SELF-PRIMING ANTI CORROSIVE ALIPHATIC ACRYLIC POLYURETHANE.**
- **CYCLOALIPHATIC AMINE EPOXY.**

Additional services:

- Wet abrasive blasting (Dustless blasting)
- Picking Passivation of non-ferrous (stainless) steel

OUR BRANCHES





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NDT Projects prides itself in offering a wide variety of **quality, cost - effective** services, that are strictly **compliant** to adopted **procedures**





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