



CARAB

Move Forward with Confidence



Non Destructive Testing



CARAB

Move Forward with Confidence

For more information, please visit us at:
www.carabtekniva.co.za

Or email us at:
info@carab.co.za

Tel: +27 13 932 5449
Fax: +27 13 932 5490
33 Market Street, Bronkhorstspuit,
South Africa
P.O. Box 1106, Bronkhorstspuit, 1020



Non Destructive Testing Services

Non Destructive Testing (NDT) is a wide group of analysis techniques used to determine defects and discontinuities within a material without destroying the serviceability of the part. Carab Technologies provides the full list of conventional NDT techniques to help you meet your project needs. We employ only trained professionals in order to provide you with confidence and assurance, and our services conform to the highest quality and International standards. Whether it is inspection of welds, castings, forgings, components plates, rolled products, piping or more, our expert NDT services are reliable and dependable. Carab Technologies' NDT services provide quality assurance across the entire spectrum of industry, be it Oil & Gas, Petrochemicals, Power Industry, Pipe Manufacturing, Cross Country Pipelines, LNG Plant as well as new construction.

Value-added Services within the Bureau Veritas Group:

Other services available within the Bureau Veritas Group are Test Inspection & Certification (TIC), Asset Integrity Management (AIM) studies, Design Reviews, HAZOP studies, Safety Services, Construction Services, Management System Certification and Environmental Services.

Services Offered

Conventional NDT Techniques

- **X-ray and Gamma ray Radiography:** We provide X-Ray or gamma Ray NDT services for internal or external inspection for both onshore and offshore pipelines, plant piping, vessels and storage tanks.
- **Ultrasonic Inspection A-scan (flaw detectors):** We can provide Ultrasonic Thickness Gauging & Flaw Detection Services across all industries.
- **Magnetic particle testing & liquid penetrant testing:** Magnetic Particle & Liquid Penetrant Testing both visual and fluorescent.
- **Hardness testing:**
- **UWT:**
- **Positive Material Identification (PMI):**

Advanced NDT Techniques

Other NDT Techniques that we can offer through our partners Advanced NDT Techniques

- **Pulsed Eddy Current (PEC):** For the detection of corrosion areas in carbon and low alloy steels. Measurements are taken through any non-conductive material e.g. insulation, protective coatings, concrete and marine growth.
- **Advanced UT:** Time of Flight Diffraction (ToFD) & Phased Array Ultrasonic Testing (PAUT) are techniques that can be used to detect defects and defect sizing in welding.