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# Altair Engineering Inspections

Singapore  Malaysia  Indonesia  Saudi Arabia 





## About US

300

Satisfied Clients  
World Wide

15

Conventional & Advanced  
NDT Methods

4

Countries Singapore |  
Malaysia | Indonesia |  
Saudi Arabia

27

Years of experience in  
application of NDT methods  
in various industries.



## Conventional NDT

- Ultrasonic Testing
- Radiography Testing
- Liquid Penetrant Testing
- Magnetic Particle Testing
- Positive Material Identification (PMI)
- Eddy Current testing (Surface)
- hardness Testing
- Ferrite Testing
- Remote Visual Testing (Borescope)
- Ultrasonic Thickness gauging
- Visual Testing
- Paint/Coating Thickness



## Advanced NDT

- Phased Array Ultrasonic Testing
- Time of Flight Diffraction Testing
- Eddy Current testing (Tubes)
- Internal Rotating Inspection System (IRIS)
- Magnetic Flux Leakage (Tubes) (MFL)
- Magnetic Flux Leakage (Tank Floor) (MFL)
- Remote Field Eddy Current Testing (RFET)
- Long Range UT Inspection
- Medium range UT Inspection
- Corrosion Under Insulation
- Tank Annular Plate Support
- Digital / CR Radiography
- SLOFEC (Saturated Low Frequency Eddy current)
- Direct Current Voltage Gradient
- Alternating Current Voltage Gradient
- Acoustic Emission Inspection
- Wire Rope MFL (LRM-NDE)



## Rope Access Services

- NDT personnel supply
- Rope access Services
- QA / QC Inspectors
- API Inspectors
- Supply of Welders
- Other Skilled Services



## Specialized NDT

- 3D Laser Scanning for Corrosion
- 3D Laser Scanning for high precision metrology
- 3D Laser Scanning for pipe ovality check
- 3D Laser Scanning for pipe end profile
- Scan to CAD & precision measurement for critical components
- Drone Inspection Services – Internal / External
- Drone UTG application
- High Precision Immersion UT Scanning for HIC Samples / Material Analysis / 3D printed Components
- Automated (COBOT) Robotic Arm UT Scanning
- Semi-Automated Robotic Arm Scanning for Elbow, pipe and localized area.
- ILI Pigging Services (MFL & UT)
- Pipe Cleaning (Pigging)



## Our Experience

- Weld Examination in Pipes / Pressure Vessel / Structures (CS/SS/DSS/Inconel)
- UT Corrosion Mapping (in 2D & 3D format) using Robotic Arm/Automated Scanner
- EMAT Corrosion Mapping (in 2D & 3D format) using Robotic Arm
- Tube Inspection Solutions
- Nozzle Weld Examination in AS/CS/SS (With or without Clad)
- T-K-Y Weld Examinations
- High Temperature Examination (Up to 550°C) – Thickness, Corrosion Mapping & Weld.
- Non-metallic (HDPE, FRP, GRP, Rubber, Neoprene) examination
- Wet H2S cracking Examination
- HIC Examination
- Chevron Cracking Examination
- HTHA Examination
- Corrosion Under Support (CUPS)
- Tank Annular Plate Support (TAPS)
- Long Range UT
- Acoustic Emission Testing
- Internal (Confined) and External Drone Inspection Solutions
- 3D laser Inspection - Area Scanning
- Precision 3D laser Scanning
- Pigging Inspection Solutions
- Flange Face (RF/RTJ) Examination.