

Non-Destructive Testing & Inspection

Imatech Energy Technologies perform quality Non-Destructive Testing in compliance with codes and client requirements that cater to your specific industrial applications. We combine our engineering expertise with advanced inspection techniques which offer increased fault detection and repeatable data analysis.



Holiday testing

Our NACE accredited professionals, technical consultants, inspectors and engineers will work with you to undertake engineering assessments, select the correct NDT techniques and develop procedures to ensure NDT provides reliable results to inform engineering decision making.

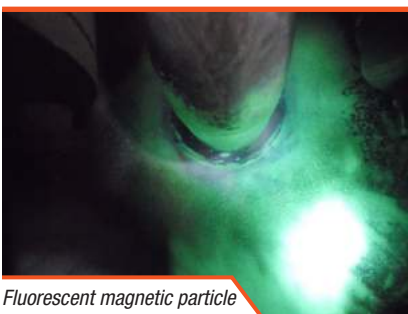
We offer a wide range of reliable NDT methods to evaluate your plant's condition and tailor inspection programs to increase the output and efficiency of your plant. Our advanced inspection services result in increased productivity reduced down-time and extended time between shutdowns.



Magnetic particle testing

Base NDT Techniques

- Visual inspection
- Radiographic examination (gamma ray and x-ray)
- Ultrasonic flaw detection
- Ultrasonic thickness testing
- Magnetic particle testing
- Dye penetrant testing & Fluorescent Magnetic Particle
- Eddy current testing (welds)
- Holiday testing of coatings



Fluorescent magnetic particle



Dye penetrant testing

Advanced Techniques

- Acoustic emission surveys and monitoring
- Ultrasonic corrosion scanning / corrosion mapping
- Inspection under insulation
- Time of flight diffraction (TOFD) ultrasonic testing
- Phased Array (PA) ultrasonic testing
- Bore oxide measurement
- Magnetic Flux Leakage (MFL) testing (including floor mapping)
- Computed radiography
- Digital radiography
- Saturated low frequency eddy current (SLOFEC™)

In addition to our NDT services we also provide specialised inspection and scanning services:



Unmanned Surveillance

Remote unmanned inspection of tanks with high definition reporting on tank integrity and corrosion.



3D Scanning

To detect up-side pitting corrosion depth