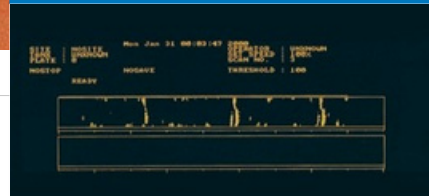


Tank Inspection

A comprehensive service is provided to operators of bulk storage tanks, combining engineering inspection services, non-destructive examinations, reporting and recommendations.



The Floorscanner's real time screen display provides defect evaluation data



- ⊕ Above and below ground tanks
- ⊕ On and offstream inspections
- ⊕ Insulated or non-insulated conditions
- ⊕ Vertical and horizontal tanks
- ⊕ Magnetic flux floor and plate scanners
- ⊕ Ultrasonic shell crawlers
- ⊕ Rapid ultrasonic B-Scanning
- ⊕ Vacuum box testing/Holiday detection
- ⊕ High access video cameras (internal examination of roofs)
- ⊕ Dangerous Goods compliance auditing
- ⊕ Detailed reporting, including diagrams and photographs
- ⊕ Recommendations for repair or maintenance
- ⊕ API Qualified Inspectors
- ⊕ Engineering Analysis

TANKCARE

Advice

Prior, during and after the inspection we can provide advice on matters such as maintenance, cleaning, inspection methods, statutory requirements, painting, repair and ongoing care and condition monitoring. Familiarity with Australian and International standards, and codes of practice, ensures that all engineering and technical matters are soundly based.

Inspection Techniques and NDT Tools

To supplement visual inspection, a variety of non-destructive testing equipment is used to determine the overall condition of the tank.

MFL Tools

MFL (Magnetic Flux Leakage) equipment is used to scan large areas such as floors and can quickly detect anomalies such as underfloor corrosion.

Ultrasonic Tools

Simple A-Scan hand-held testing instruments, Rapid B- Scanning for 'large' area assessment, digital C-Scan Imaging, critical weld assessment by TOFD (Time Of Flight Diffraction) and 'long range' systems such as CHIME (Creeping Head Inspection Methods). All techniques are available to provide the necessary level of evaluation and data storage.

Tank Shell Crawlers

To enable the condition of the tank shell to be determined crawlers have been developed using 'wheel probes'. This system allows the crawler to pass over welded/riveted joints whilst measuring the wall thickness on each shell stroke.

Insulated/Fibreglass

Coated Tanks Insulation or fibreglass coatings provide a barrier which Ultrasound will not penetrate, or which will result in difficulties with signal interpretation. INCOTEST (pulsed Eddy current equipment) overcomes this problem and reliably measures the steel thickness under the coating.

Other Equipment

⊕ Vacuum Boxes	Leak detection on seams
⊕ Laser Level	Measures tilt and settlement
⊕ Holiday Detection	Ensures the integrity of coatings
⊕ Magnetic Particle/ Penetrants	Inspection of welds and fittings for surface defects such as cracks
⊕ Radiography	Gamma and X-Ray equipment to determine weld quality
⊕ Coating Inspection	Paint thickness gauges
⊕ Camera Systems	Remote positioning to enable close inspection of internal roof structures and other inaccessible areas



The compact FloorScanner will fit through an opening 600 mm diameter