

Silverwing UK
comprehensive range of specialist inspection
services for storage tanks and pipes.



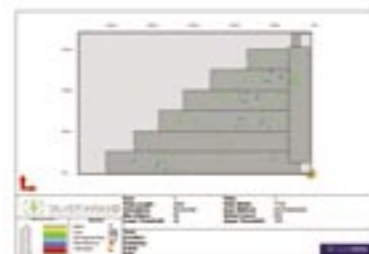
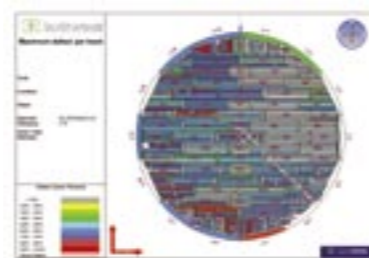
Silverwing UK Ltd is a specialist inspection company concentrating on corrosion detection and sizing, servicing the storage tank market within the Petro-Chemical industry.

The Company has a range of inspection tools available to its Service Division, many developed and marketed worldwide by our in-house manufacturing division. These include Magnetic Flux Leakage Floor Scanners, Remote Access Ultrasonic crawlers and Electric Vacuum Box systems. The Service Inspection Division's plant is up-dated on a regular basis to ensure it always has the latest technology available. To compliment the Inspection Services, Silverwing UK Ltd is able to offer full engineering assessment of tankage to meet the guidelines laid down by EEMUA 159 and API 653 including "fitness for purpose" and inspection scheduling

reports. Our personnel employ best working practices with safety a top priority. Preparation and execution of site-specific health and safety plans coupled with detailed inspection procedures ensure Silverwing UK Ltd meet both UK Health & Safety and International inspection specification requirements.

Inspection Services Summary

- Storage Tank Floor Inspections including Magnetic Flux Leakage inspection, Vacuum Box inspection of lap welds, butt welds and fillet welds, Magnetic Particle Inspection of welds.
- Remote Access Ultrasonic Inspection of Storage Tank Walls, Spheres and Columns.
- Magnetic Flux Leakage Inspection of non insulated tank farm and refinery pipework.
- High speed Ultrasonic B and C-scan Inspection of Pressure Vessels, Tanks and Large Diameter Pipework.
- Long range ultrasonic screening of pipework, both above and below ground.



Inspection Services Overview

FloormapVS2

The FloormapVS2 is a motorised MFL scanner that locates the corrosion and sizes it using the flux leakage signals. Initial sizing is by amplitude to identify the worst case defects in real time, followed by defect profiling and re-sizing by defect type in the off-line reporting software, which enhances the sizing accuracy. Unique to the FloormapVS2 system is the capability of automatically producing a CAD drawing of the tank floor and the ability to add defects from other inspections such as Visual, Ultrasonic, MPI and Vacuum Box and show them in the same format as the MFL results. A patch plate design function allowing optimum sizing and positioning of repair plates turns the FloormapVS2 software from an MFL inspection report into a comprehensive total floor condition record.

MFL2000

Motorised MFL corrosion detection tank bottom scanner. A quick and effective MFL screening tool to locate corrosion for secondary sizing inspection techniques.

Handscan

MFL corrosion detection mini scanner. The Handscan MFL corrosion detection mini scanner is designed to compliment the MFL2000 and FloormapVS2 floorscanners.

Pipescan

Pipescan is a portable, magnetic flux leakage screening tool for the detection of random internal corrosion in pipe runs. MFL is not affected by product flowing through the pipe runs so surveys can be carried out both on-line and off-line.

Vacuum Box

Lap welds and butt welds in the tank floor can be rapidly checked for through cracks, tears and holes using the Silverwing manufactured electric vacuum box systems.

UT

Manual, semi-automated and automated ultrasonic systems using both traditionally irrigated and the Companies proprietary unique Dry Coupled wheel transducers are employed by Silverwing personnel. Choice of product will depend on the specific requirements but include remote access crawlers for tanks and spheres, eliminating the requirements for costly scaffolding.

MPI

MPI of weldments is available using an adjustable electromagnetic yoke to detect surface breaking crack-like defects.

Long Range UT

Long Range Ultrasonic Screening of Pipework including Corrosion Under Insulation Inspection.

