



Find the flaw. Prove the cause.

Advanced NDT and materials testing, from one team in one laboratory.

Most inspections stop at the finding. **We keep going.** The Lab combines advanced non-destructive testing with forensic materials science, so you don't just learn that something failed – you learn why, in evidence that holds up.

Nothing left unseen.

Corrosion, cracking, and wall loss rarely announce themselves. Our advanced NDT team maps what conventional inspection misses – across hulls, tanks, decks, pipework, pressure vessels, and welds – **much of it whilst assets stay in service.**

01 **Corrosion Mapping (CMAP)**

Wall loss mapped and measured, Lloyd's Register validated.

02 **AluMap**

Corrosion mapping for aluminium structures.

03 **Aggressive Cargo Damage Assessments**

Where attack continues after discharge.

04 **Weld Inspection & Failure Investigations**

Where welds fail, and why.

05 **Structural Damage Assessments**

Extent, cause, and repair scope.

06 **Advanced NDT**

PAUT, TOFD, ECA, PECA and more.

07 **NDT Level 3 Services**

Procedure review, technique approval, and expert oversight.

Proof, not opinion.

Knowing what broke is rarely enough. Our metallurgists and materials scientists establish **why it broke, when it started, and what it means commercially** – with every conclusion documented to withstand challenge.

01 **Material Failure Investigations**

Why it broke, and what it means.

02 **Metallurgy Investigations**

Microstructure, composition, and defects.

03 **Non-Metallic Investigations**

Polymers, composites, and elastomers.

04 **Paint & Coatings Analysis**

Specification, failure, and compliance.

05 **Advanced Microscopy**

Optical, digital, and electron microscopy.

06 **Portable Material Testing**

On-site hardness, PMI, and replication.

07 **Third Party Review**

Independent scrutiny of reports, data, and conclusions.

Why The Lab?

One laboratory, two disciplines, no handoffs. Advanced NDT finds the anomaly; forensic materials science explains it. Working with shipowners, charterers, operators, insurers, and legal teams worldwide, we deliver findings built to be relied upon – commercially, technically and, where it comes to it, evidentially.

ACCREDITATION

BINDT/PNC Certified

IN-HOUSE EXPERTISE

NDT Level 3 Capability

INDEPENDENTLY VALIDATED

Lloyd's Register-validated CMAP

The truth is here.

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