

# NDT & INSPECTION SERVICES

Managing the Safety & Integrity of your Assets & Infrastructure

**Glacier Energy has grown both organically and through strategic acquisitions to become a leading international provider of specialist products, services and engineering solutions for new and existing infrastructure.**

Using our technical ingenuity and expertise, Glacier improves the safety, reliability and efficiency of our clients' critical equipment to extend asset life and maximise operational performance and productivity.

## STRENGTHENING OUR EXPERTISE

**In 2014, Glacier acquired Professional Testing Services (PTS), an industry-leader of non-destructive testing (NDT) and inspection services.**

With more than 40 years of expertise, we have supported major operators, tier 1 & 2 contractors, service and installation companies with conventional and advanced NDT inspection services both for repair & maintenance and in the support of new-build fabrication and assembly projects in the oil & gas, renewables, petrochemicals and power generation industries.

To date, we have delivered over 400 NDT & inspection projects world-wide. Our team includes over 100 trained and qualified inspection personnel with PCN (ISO 9712) qualifications at L2 and L3 in ultrasonic testing, radiographic inspection, surface inspection (MPI and DPI) eddy current welds and forgings (tubes), ToFD, PAUT, ACFM and visual inspection.

### CONVENTIONAL NDT SERVICES

- ✓ Consultancy services
- ✓ Magnetic particle inspection
- ✓ Dye penetrant inspection
- ✓ Visual inspection
- ✓ Positive material identification
- ✓ Ferrite testing
- ✓ Hardness testing
- ✓ Ultrasonic testing
- ✓ Radiographic testing
- ✓ Portable hardness testing

### ADVANCED NDT SERVICES

- ✓ **Hex Tube Inspection**
  - Eddy Current
  - Pulsed Echo Immersion Ultrasonics (IRIS)
- ✓ **Vessel Inspection**
  - Phased Array, Eddy Current, ACFM
- ✓ **Tank Inspections**
  - Magnetic Flux Leakage
  - General NDT & Corrosion Mapping
  - Vacuum Boxing
- ✓ **CUI**
  - Pulsed Eddy Current
- ✓ **Corrosion Mapping**
  - RMS
  - PAUT/Hydroform
- ✓ **Volumetric Weld Inspection**
  - Time of Flight Diffraction (TOFD)
  - PAUT
- ✓ **Long Range UT**

## PROJECT CASE STUDY



### **PROBLEM: Topside Asset Integrity –**

An Operator in West Africa required the inspection of first and third stage, high-pressure gas coolers due to concern with potential stress corrosion cracking (SCC).

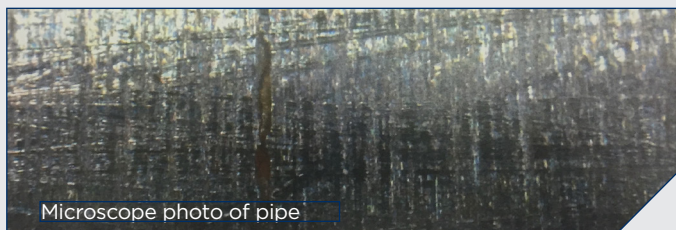
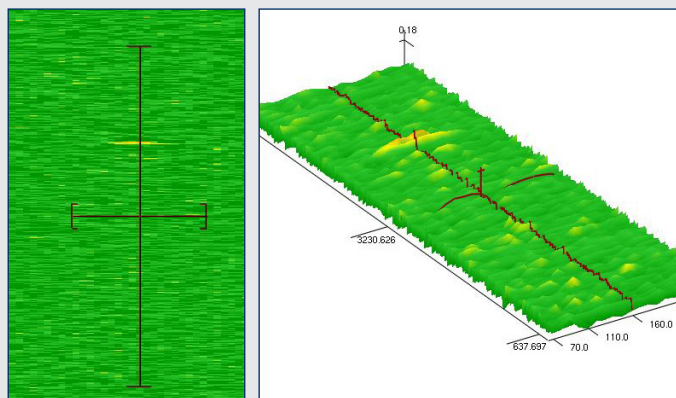


**SOLUTION:** Glacier provided eddy current level 3 technicians to inspect the tubes for defects, specifically focused on SCC detection. Eddyfi's DefHi™ array probe was used to ensure maximum probability of detection, especially as there were tight circumferential cracks anticipated.

Glacier's speed of response and technical expertise enabled the project to be successfully completed within the tight timeframe and ensured that the gas coolers could return to production with confidence, and no further unplanned downtime.



Through our range of services, advanced technologies and decades of expertise, we help clients make better informed decisions to manage the safety and integrity of their maturing assets and critical infrastructure globally.



## FULLY INTEGRATED PARTNER

Glacier's inspection capability complements our broad portfolio of additional onsite technical services including machining, welding and heat transfer solutions. This blend of integrated and value-added services ensures our clients' engineering and asset integrity projects can be delivered more safely, reliably and cost-effectively, through a single-source provider.

## CONTACT US

Get in touch with one of our experts to find out how we can improve the efficiency, performance and productivity of your operations today.



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