

# Jetty Inspection



**NDT Global Services Ltd**

Inspection Services

# Inspection Services

NDT Global Services Limited is a specialist Non-Destructive Testing and Inspection company operating nationally and globally, providing innovative engineering and services for a multitude of industries including oil, gas, chemical and offshore.

## Services include:

- inspection of pipelines,
- storage tanks,
- jetty inspection,
- offshore and marine environments,
- boilers/ heat exchangers,
- decommissioning, rehabilitation, installation and modification of pipelines,
- rope access systems

We utilise techniques and methods such as Long Range Ultrasonic Testing (LRUT), Ground Penetrating Radar (GRP), Pigging, IRIS Inspection and Remote Visual Inspection (RVI).

NDT Global Services Ltd has built a reputation for innovation and solution based logistical thinking, inspection and engineering excellence, and the provision of its own experience and trusted inspection engineers for high quality and precision projects.

## Global Inspection Locations



**A** NDT Global Services Ltd, Unit 2 Opus Park, Lockheed Close,  
Preston Farm Industrial Estate, Stockton on Tees TS18 3BP

**T** 00 44 (0)1642 555575

**F** 00 44 (0)1642 555548

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**E** [inspection@ndtgsl.co.uk](mailto:inspection@ndtgsl.co.uk)

# Jetty Inspection

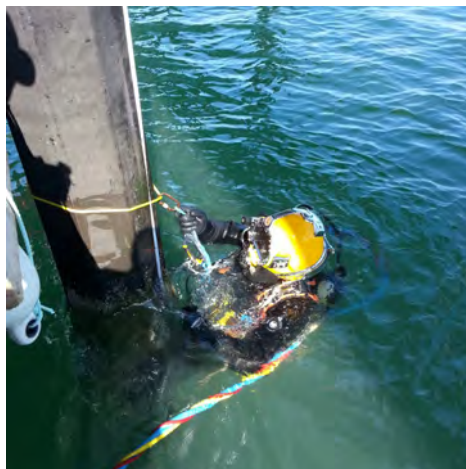
NDT Global Services Ltd specialize in jetty structure inspection. NDT GSL provide a extensive range of services and techniques for the inspection of jetty and marine structures.

## Jetty Inspection Techniques

- Guided Wave Technology (GWT)
- Manual Ultrasonics
- Visual Inspection
- ACFM advanced non destructive testing
- Magnetic Particle Inspection
- Dye Penetrant NDT
- Risk Based Inspection
- IRATA Rope Access
- Diving Services



Jetty inspection can be performed in any marine environment. NDT Global Services engineers are trained to undertake a vast range of inspection techniques. All equipment necessary for the inspection is supplied by NDT GSL, including all inspection equipment, rope access, divers, boats, pontoons, certified NDT personnel including certified skippers.



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# Jetty Inspection Method

## Surface Inspection

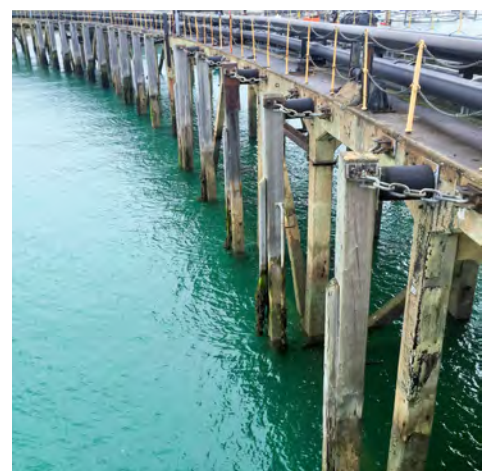
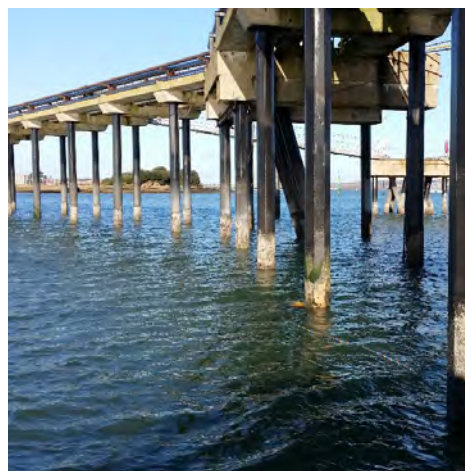
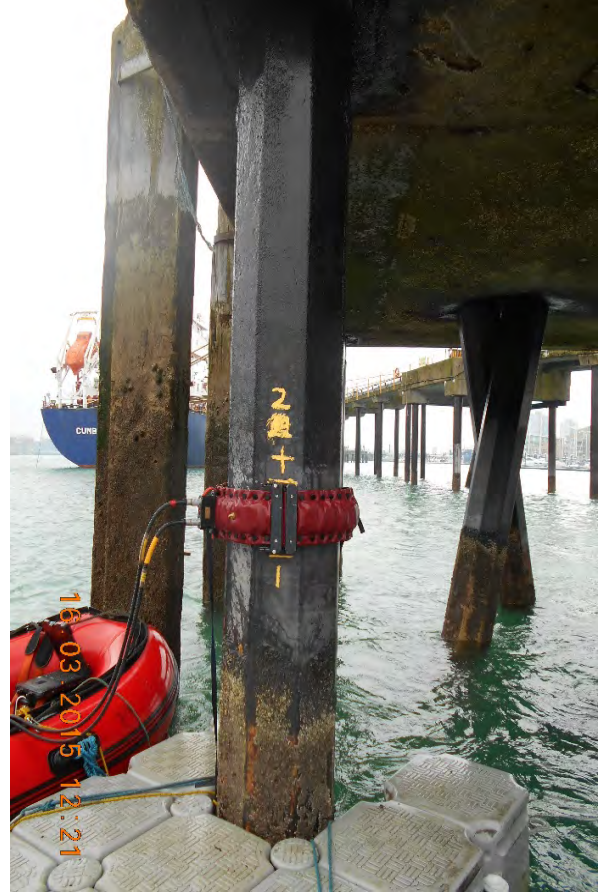
Manual ultrasonic inspection is conducted on the surface from a the NDTGSL boat or from temporary floating pontoon.

## Subsurface inspection

Specialist dive vessel and dive team are utilised to perform the subsurface Manual Ultrasonic inspection.

## Guided Wave Technology- Surface and Subsurface Inspection

NDT GSL offers specialist jetty inspection using Guided Wave technology. This techniques enables the inspection ring to be fitted above the water line and is capable of testing the pile both above and below the water. This method uses low-frequency torsional sound waves to measure loss or gain in the overall volume of the material, i.e. deviation in cross-sectional area.



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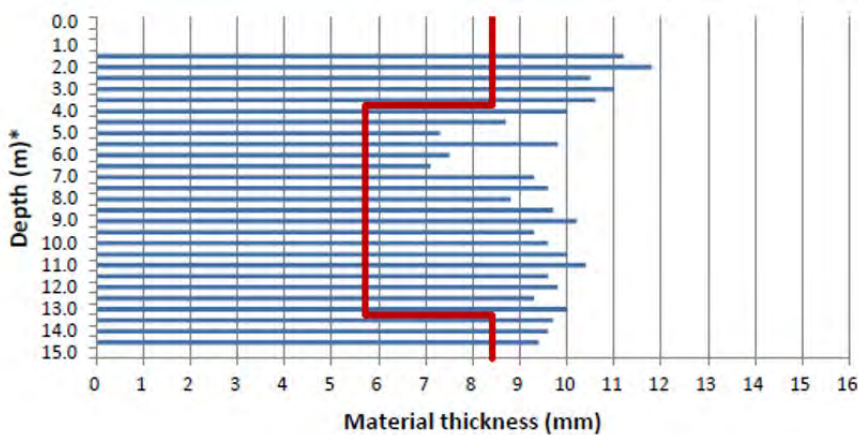
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# Jetty Inspection Data

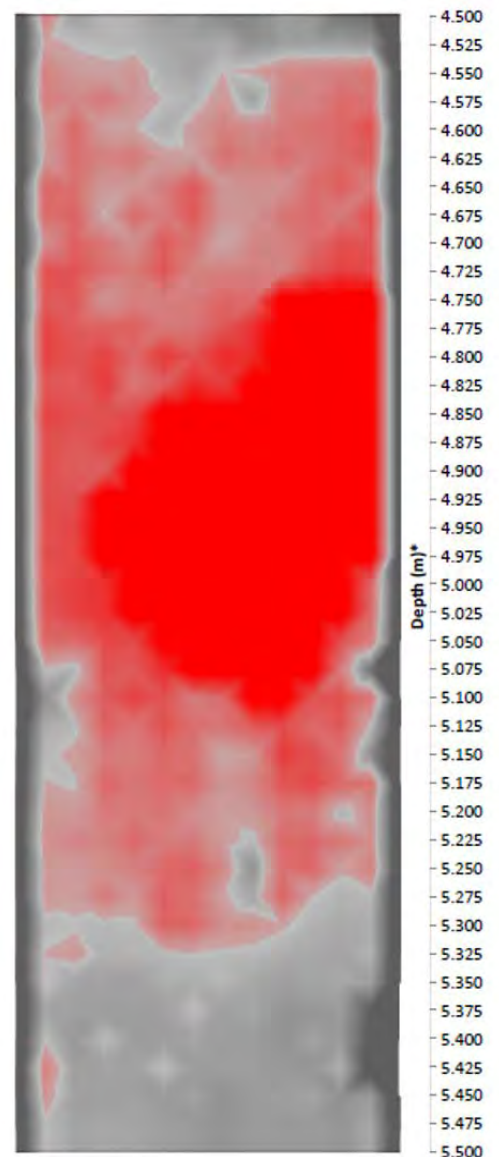
All data collected is statistically analysed by a professionally qualified NDTGSL statistician to provide informative calculations for each pile/ jetty leg.

Relative to the data collected formulae, algorithms, graphs and statistics are provided by NDTGSL to illuminate and display the data in the most accessible and interpretable format.

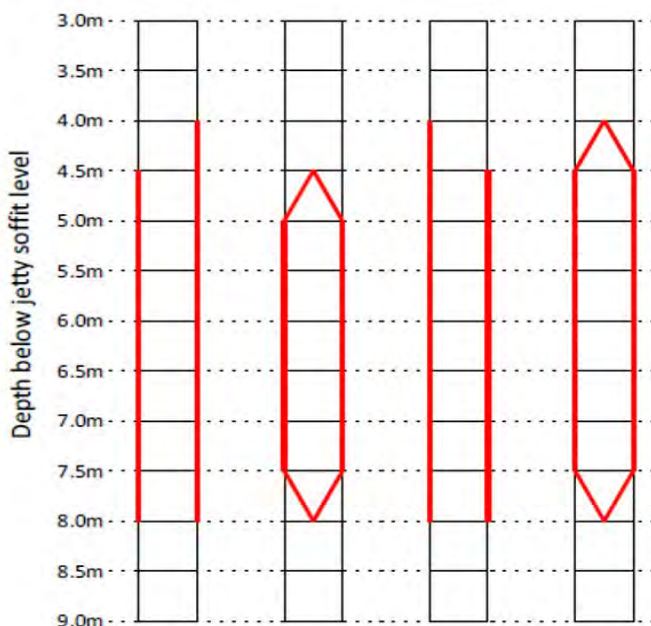
## Material Thickness manual UT



## Material Surface Topographical Representation



## Location of Plates on Jetty Legs



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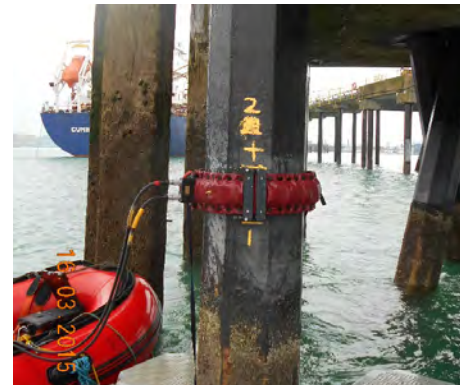
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# Guided Wave Technology

## Inspection capabilities include

- Inspection under insulation
- Road crossings and hidden penetrations
- Surface Pipelines
- Elevated lines
- Lamp Posts
- Jetty legs
- Subsea pipelines
- Offshore Risers
- Offshore Caissons



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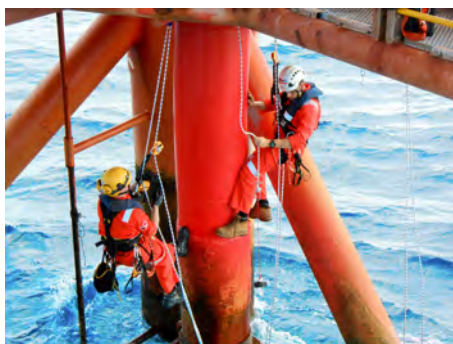
**GLOBAL SERVICES**

NDT Global Services Ltd undertake inspections and services nationally and globally, working with a multitude of industries including oil, gas, chemical and offshore.

NDT Global Services Ltd has built a reputation for innovation and solution based logistical thinking, inspection and engineering excellence, and the provision of its own experience and trusted inspection engineers for high quality and precision projects.

Our engineers are trained to the highest calibre and undertake all work in a professional and conscientious manner.

It is our aim to collaborate with proficient individuals and innovative companies who are at the cutting edge of the service and inspection industry.



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