



AFLOAT REPAIRS

CTS OFFSHORE AND MARINE LIMITED | SERVICES

NDT INSPECTION



NDT Expertise

About us

In a context of increasing competitiveness, CTS Offshore and Marine Limited offers to ensure the integrity of your assets thanks to its NDT (Non Destructive Testing) services. We will evaluate, in the most cost effective way, the condition of your asset without causing any damage to the same. The complete inspection of your asset at almost any stage in its life cycle will allow you to detect defects before they result in more severe damage and save overall cost.

CTS Offshore and Marine Limited understands that NDT techniques rely heavily on human skill and knowledge for the correct assessment and interpretation of test results. Accredited with most of the major classification societies, we provide clients with the best teams of inspectors worldwide. We offer comprehensive Non Destructive Testing with the highest standards of inspection for the Offshore and Marine Industries wherever and whenever our services are requested.

NDT Services

Our solutions to ensure your asset integrity



Our CTS NDT Inspection services cover Ultrasonic Thickness Measurement (UTM), Magnetic Particle Testing (MPT) and Liquid Penetrant Testing (LPT). Our aim is to identify, plan and prioritise repair work of your asset, if required.

- UTM (Ultrasonic Thickness Measurement)
- MPT (Magnetic Particle Testing)
- LPT (Liquid Penetrant Testing)

Note: We also provide services such as RT (Radiographic Testing), Eddy Current and UT (Ultrasonic Testing) through our associate vendors.

NDT Benefits

Why choose NDT from CTS?

- To save money, using our "ROPE ACCESS" teams to carry out visual inspection, UTM jobs, MPI, LPT, coating inspection, video relay among other things,
- To benefit from our complete, high quality UTM services (steel estimation /repair plan /supervision - CAP/CAS/URS surveys),
- To control the integrity and reliability of your asset through our experienced teams,
- To ensure the quality and safety of your operations wherever you are,
- To avoid expensive repair costs and downtime,
- To estimate steel deterioration in the next 5 years, so owners may decide / budget on asset upgradation.



NDT Processes

What we offer

UTM (Ultrasonic Thickness Measurement)

UTM is a non-destructive testing method used to measure the metal thickness of ship hulls, piping and structural steel. CTS has developed a very strong technological procedure and has state of the art equipment to conduct this work. In light of the increasing demand from our overseas clients we have expanded our infrastructure and recruited more staff. Our operators are qualified, well trained and have years of experience in the field. They are ready for instant deployment in any part of the world.

One of CTS Offshore and Marine Limited specificity is the use of sophisticated instruments, which do not require chipping or grinding of the paint/coating for carrying out thickness measurement. By not disturbing the coating which provides long term protection to steel surfaces, we are ensuring safe operation for our customers.

Our UTM services are conducted as part of

- Hull inspection survey
- URS, CAP and CAS surveys
- Steel renewal estimation
- Steel repair plan
- Steel repair supervision

Rope Access Service

CTS offers this proven cost and time efficient alternative method to conventional access systems allowing you to reach areas which would be otherwise inaccessible, impractical or unsafe. We provide you with the most skilled and qualified rope access technicians using advanced roping techniques.

Rope Access benefits

- **Safety** - Safe and easy to manage
- **Cost** - Cheaper than conventional techniques
- **Speed** - Work completed faster - Quick and efficient to set up
- **Disruption** - Minimum of disruption
- **Environment** - Environmental friendly technique

MPT (Magnetic Particle Testing)

MPT represents an efficient and cost effective testing method to detect surface and slightly subsurface flaws in ferromagnetic materials.

LPT (Liquid Penetrant Testing)

Liquid penetrant testing, also called dye penetrant testing is one of the most popular non-destructive testing methods in the industry. This low-cost inspection method is used to locate surface-breaking defects in all non-porous materials by flowing very thin liquid into the flow.

CTS Offshore and Marine Limited will be pleased to advice you the most appropriate NDT process for your requirement.





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