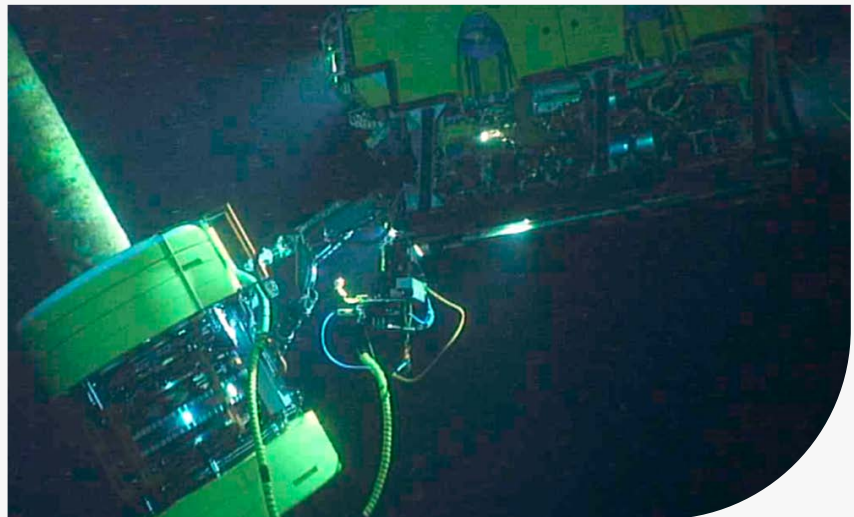




NDE Tool Selection for Subsea Asset Integrity

2H's approach to ILI and NDE tool selection is designed to maximize the effectiveness of subsea operations, preserving the integrity of assets and ensuring peak operational performance. Our experienced team excels in tailoring inspections, selecting the best equipment, and managing the process to help operators get the most out of their subsea inspections.



Methodical tool selection process

To maintain the safety and efficiency of new and aging offshore assets, comprehensive integrity management programs are essential. These rely on KPIs which determine the damage mechanism potential and inspection frequency required for ILI or external NDE. At 2H, our extensive experience is key in guiding operators through the process of NDE tool selection. Our engineers excel in developing selection criteria that consider essential parameters like detection probability, accuracy, reliability, cost, accessibility, and environmental suitability.

With these criteria in place, we meticulously evaluate proposed technologies, drawing on 2H's proven history of successful offshore inspections. This methodical approach ensures the selection of the most fitting NDE equipment, and offers enhanced operational performance and effectiveness in their application.

Precision in subsea inspections

By having our experienced team oversee the entire NDE tool selection process and identifying key inspection locations, we can ensure subsea inspections are performed optimally

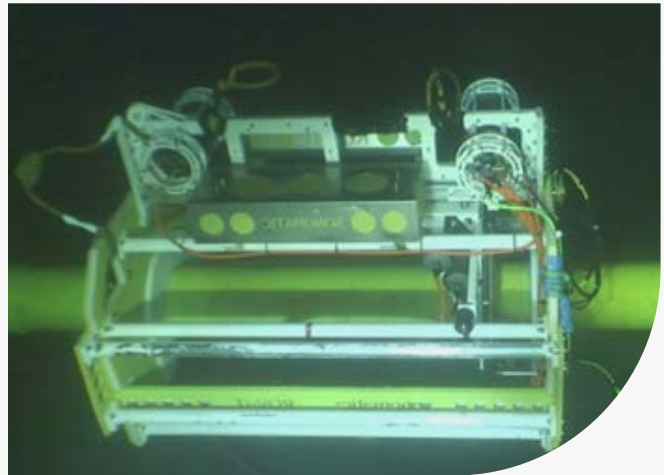
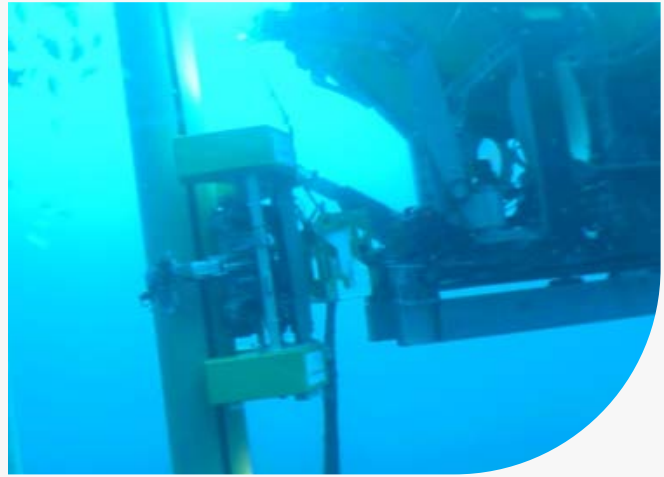
delivering highly reliable data tailored to support your asset integrity and life extension programs. Getting it right during the first inspection will prevent costly vessel mobilization and operational interruptions throughout the life of the asset.

Reliable NDE tooling qualification

To ensure the reliability and accuracy of an inspection, we believe the development of test samples and NDE tooling qualification is paramount. This starts with the development of test samples that replicate the characteristics of the real-world components and relevant degradation mechanisms. Our procurement experts play a pivotal role, sourcing the materials and equipment needed to ensure that quality standards and project specifications are met. The strategic introduction of defects through electrical discharge machining (EDM) further aids in generating detailed defect maps. These maps are instrumental in the calibration of NDE tools, guaranteeing that inspection techniques are effective and reliable before their offshore application.

Expertly managed subsea inspections

We conduct offshore inspections using rigorously tested non-destructive evaluation (NDE) methods, under the supervision of seasoned experts. The process involves detailed planning and coordination, ensuring that both equipment and personnel are efficiently deployed to offshore sites. Our on-site personnel, with their deep expertise in subsea operations, manage the inspections guaranteeing adherence to safety protocols and data accuracy. Post-inspection, our NDE specialists conduct exhaustive reviews and validations, ensuring that findings are both precise and trustworthy. This meticulous approach supports informed decision-making and helps maintain operational integrity.



Working with our team

We are a team of highly skilled, multi-disciplinary engineers with a track record of solving complex offshore system challenges. We are independent with the knowledge, drive and creativity to deliver commercially feasible solutions.

Contact us to speak to one of our team members.

• 2hoffshore.com

