

Pipeline inspection for North Sea oil and gas operator using innovative Tracerco Discovery™ tool

James Fisher Subtech (JF Subtech) successfully inspected the wall thickness of a critical pipeline for a North Sea oil and gas operator, to ensure its safe and continued usage.

Location	Central North Sea
Project start date	August 2022
Project end date	September 2022
Project scope	Pipeline deburial and wall thickness inspection using remotely operated vehicle (ROV) capabilities

The challenge

- The North Sea oil and gas operator needed to provide evidence that the internal corrosion status of the pipeline system remains fit for purpose through the input of verifiable data into a life extension study
- Located in the North Sea, the JF Subtech team had to carefully and safely navigate adverse weather conditions
- Soil conditions for dredging influenced the equipment required to complete the operation

The solution

- JF Subtech deployed a team of skilled personnel and specialist equipment to complete dredging and inspection, including:
 - Multi-purpose support vessel, Go Electra
 - Two ROV spreads, with pilot technicians and supervisors
 - Dredgers
 - Tracerco Discovery™ tool - subsea pipeline computed tomography (CT) scanner
- Exposing the pipeline to such an extent that the subsea pipeline tool could be deployed and take the necessary scans on ten individual locations along the pipeline length
- Wet store overboarding equipment where possible to reduce launch and recoveries

The results and benefits

- A hole of approximately 24m³ was dredged at each location in good time
- All dredging and scans were successfully carried out with the specialist team and available equipment
- Customer was satisfied with the safe completion of the pipeline inspection

