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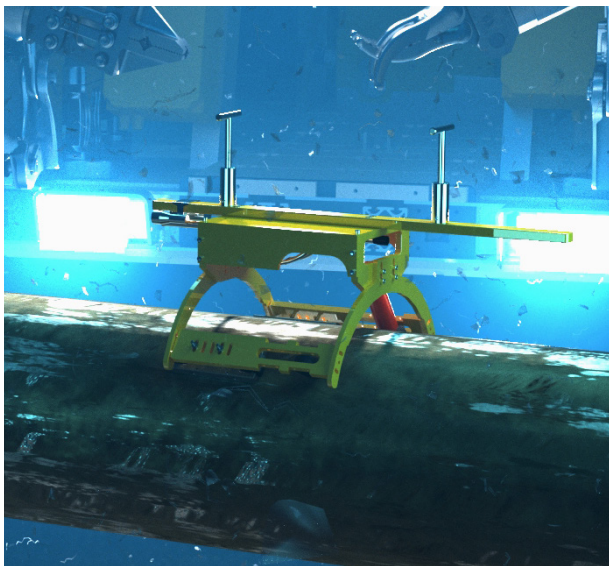
Sea Turtle™

Keep your assets on-line with the Sea Turtle ROV-deployed EMAT scanner

Oceaneering's subsea Electromagnetic Acoustic Transducer (EMAT) screening technology is a unique inspection methodology that efficiently assesses the condition of client's assets without disrupting production.



The Sea Turtle system uses electromagnetic acoustic transducers to assess the plate or pipe condition of structures, pipelines, jumpers, flowlines, and risers. The advanced system is ROV-deployable and provides 360° tubular inspection from one position on the pipe. The tool then travels along the pipe covering up to 1,000 ft of pipe per day.

FEATURES

- **High-speed, ultrasonic subsea scanning**
- **Inspects unpiggable assets**
- **Depth rated to 9,8423 ft / 3,000 m**

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Sea Turtle™ Inspection System

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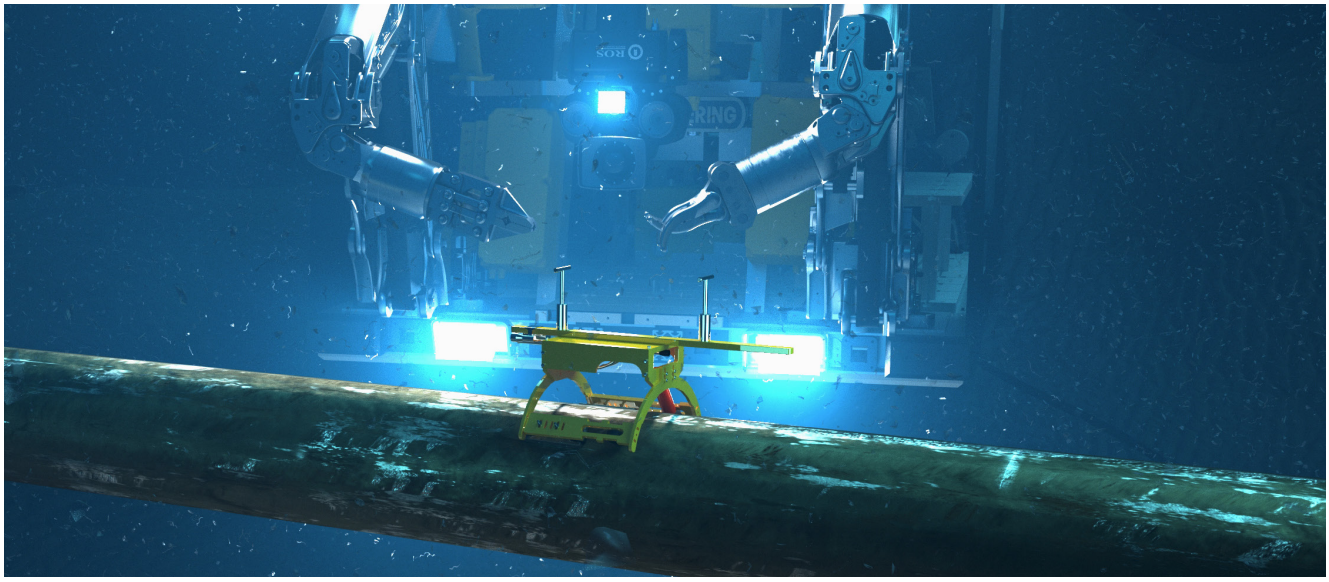

The system is an industry first and provides numerous advantages compared to traditional subsea inspection methods.

- Locates areas of general corrosion, pitting, coating disbondment and other anomalies.
- Area of interest highlighted by the tool are then marked for follow up with Oceaneering's Neptune tool
- High rate of productivity allows up to 1,000 ft of pipe per day to be screened

The system delivers efficient subsea inspection by only requiring access and a clean surface beneath the transducers which are located on the top half of the pipe. The system includes the Sea Turtle scanner, a subsea electronics pod, an ROV umbilical, and a topsides control laptop.

Technical data

Diameter range	Min 4 in pipe up to flat plate
Speed of measurement	16.4 ft/min (5 m/min)
Wall thickness range	Up to 1.5 in
Coating thickness	Up to 5.5 mm
Length of pipe per day	Up to 1,000 ft / 305 m