Mako Offshore
Intelligence Centralised

Mako Remora
Splashzone Cleaning and Inspection

The splashzone is one of the most challenging areas of a structure to maintain due to constant exposure to waves, tides, and harsh marine conditions. Air diving operations are sensitive to weather conditions and capable ROVs are not well suited to work at this elevation. By performing activities from the platform and avoiding the need for a vessel, an operator can reduce their costs significantly.

Mako's Remora is a configurable cleaning and splashzone inspection system. The tooling is deployed from the asset and is used to inspect down to and bypass the subsea guides on a jacket. Multiple cleaning and inspection systems are available – making use of Mako's in house expertise in ROV tooling and advanced NDT to deliver client project requirements.



Figure 1: 30" Remora On Deck

Advantages

Complete Service:
- Clean and inspect in one deployment
- Mako rope access, rigging and inspection team

Improved Asset Integrity Assurance:
- Cleaning options – flails, brushes and water jetting
- Corrosion mapping – through challenging coatings
- Weld Inspection – crack detection and sizing
- Pitting detection and sizing

Flexible Design:
- Each tool frame covers a 10" pipe range i.e. 20 - 30"
- Top and bottom rotating carriages can be equipped with different load outs
- Scalable design – can be up or downscaled as required

Efficient Cleaning and Inspection:
- 360° coverage
- Fully encoded – circumferentially and vertically
- Array based systems for rapid inspection
- Remotely operate the doors to bypass subsea guides
- Wide deployment window – 26kts and 4m SWH

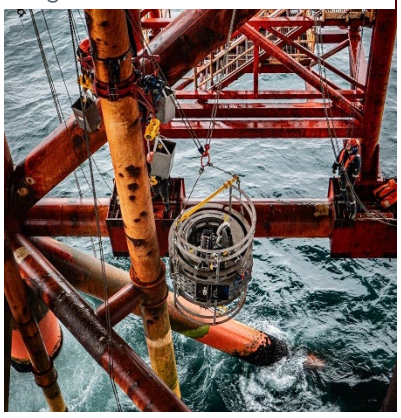


Figure 2: Remora Being Cross hauled

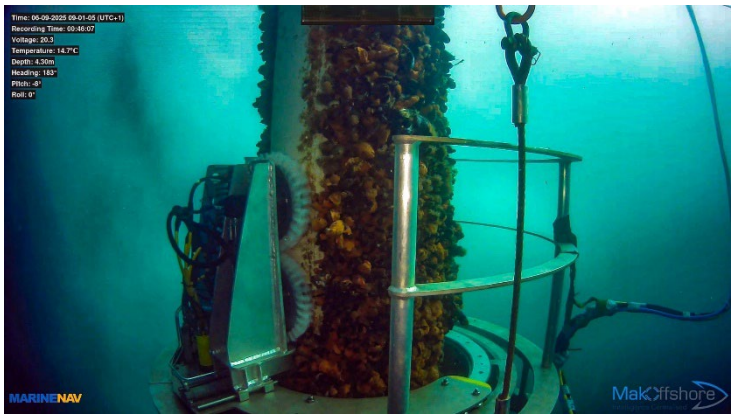


Figure 4: Above Guide Cleaning



Figure 3: Remora Interfacing with Caisson