



OVERVIEW

TAMS have undertaken several recent inspection scopes to assess and characterise the condition of various marine assets and infrastructure against prescribed rating scales, employing the Wharf Structures Condition Assessment Manual (WSCAM) methodology as developed and endorsed by Ports Australia.

This approach enables a robust baseline to be established allowing defects to be easily quantified against measurable component classifications and scatter diagrams etc. The process allows for continuity between subsequent inspections and maintenance regimes, and minimises subjective assessment by divers.

Recent projects have been conducted for Pilbara Ports Authority (PPA) to provide baseline condition assessments for the Port of Ashburton (Wheatstone), as well as several scope for the Mid West Port Authority in Geraldton to determine appropriate maintenance requirements.

TAMS maintain several inspection kits at various national shore base facilities including:

- Cathodic Potential Meters
 - Topside and subsea models
- Paint Thickness Meters
- Ultrasonic Thickness Gauges



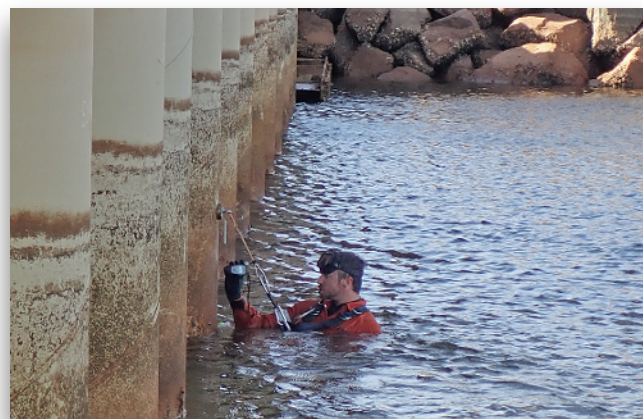
CASE STUDIES



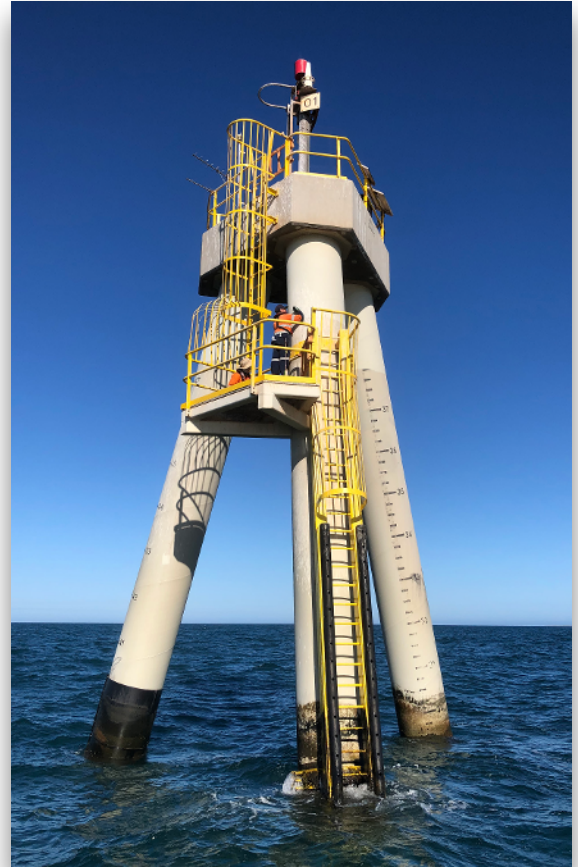
Diver takes still photos of existing timber pile protection interface to crossheads



Diver prepares pile surface with high pressure water blaster to facilitate a detailed coating inspection



Surface swimmer obtains paint thickness readings on low tide to ascertain condition in splash zone



Surface crew conduct topside cathodic potential readings at specified test points, and paint thickness readings against coating specification.

Note: Previously observed damage to pile coating system has been corrosion protected using Denso 2000FD jacket system.



Diver obtains steel thickness readings of steel sheet pile wall using ultrasonic thickness meter.



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