

HMAS Platypus, Sydney, Australia

Country: Australia

Project Timescale: 2011-2012

Structure: Submarine Wharf

CPT Treatment Applied:

DuoGuard™ Hybrid Anode™ System

CPT Products used

- 5000 DuoGuard™ 500 anodes
- DuoCrete SD Mortar
- 30 x MN15 Reference Electrodes



The former submarine wharf HMAS Platypus in Neutral Bay was constructed in 1967 and is approximately 14 m wide and 213 m long. During the transformation of the wharf into a public waterfront location, areas of the wharf showed signs of concrete cracking and spalling due to reinforcement corrosion. A detailed corrosion survey revealed steel corrosion to the deck, service duct and headstocks.

Around 30 embedded reference electrodes and connection enclosures were used to allow for the monitoring of the system performance from the top of the deck.



As part of the renovation works the client requested a corrosion protection system to protect the worst areas from further corrosion related deterioration. 5000 DuoGuard Hybrid anodes were installed on the underside of the deck, on the front and rear faces of the service duct and headstocks.

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