

# CSIRO Princes Wharf #4



Client: CSIRO  
Value: \$2.4M  
Completed: January 2014

CSIRO PRINCES WHARF # 4 WAS CONSTRUCTED IN 1963. THE WHARF COMPRISES OF PRESTRESSED CONCRETE PILES, CAST IN-SITU PILE CAPS, PRESTRESSED CONCRETE BEAMS AND DECK PLANKS WITH A CAST IN-SITU CONCRETE DECK ON THE TOP. INVESTIGATIONS DETECTED SOME CONCRETE CORROSION AND SPALLING AND A CORRODED FENDER SYSTEM ON THE BERTHING FACE OF THE WHARF.

## THE PROJECT

VEC and joint venture partner SAVCOR undertook the project which included:

- Removal of redundant cathodic protection;
- Installation of Hybrid Cathodic Protection System;
- Galvanic; and
- Impressed Current Cathodic Protection
- Removal of redundant bollards;
- Hydro demolition of defective concrete wharf elements;
- Concrete repairs to existing wharf structure;
- Refurbishment of existing bollards;
- Installation of Trellyborg Fender System; and
- Installation of RV Investigator Shore Power System.

The repairs were performed under tight timeframes to receive the new Antarctic ship, the RV Investigator.

With the site being a working port, as well as the nearby CSIRO buildings with scientific staff, VEC was required to engage with several key stakeholders. These also included nearby residents and businesses at Battery Point. Adequately managed communication needed to take place to ensure that the construction could progress with minimal impact to the stakeholders.

Despite several changes to the works due to the uncertain nature of the existing wharf conditions, VEC were able to manage the program, in collaboration with the client and affected stakeholders and meet all program and budget requirements.

The key to this outcome was the management provided by VEC's planning systems and the implementation by entire team.

