

Case study



C&D ACCESS

Jetty Repair 2025



Overview

Structures located in tidal zones are exposed to some of the harshest operating conditions in the marine environment. Continuous water movement, aggressive corrosion, marine growth and restricted access windows mean that minor maintenance issues can rapidly escalate into significant structural concerns if not addressed promptly and professionally.

C&D Access was commissioned to carry out critical maintenance and restoration works on a jetty which had experienced significant deterioration due to prolonged exposure to tidal conditions. The scope of works included the removal and installation of fender stools, installation of a new fender panel, comprehensive surface preparation and coating of the fender assembly, as well as an ICCP (Impressed Current Cathodic Protection) survey conducted by boat.

Given the location and environmental constraints, the project required detailed planning, specialist access solutions and precise coordination to ensure the work could be delivered safely, efficiently and within the limited tidal working windows. Safety is at the heart of everything we do, and the health and wellbeing of our people remained the top priority throughout the operation. Every phase of the work was carefully coordinated to minimise environmental impact while delivering the most efficient and effective solutions.

Approach

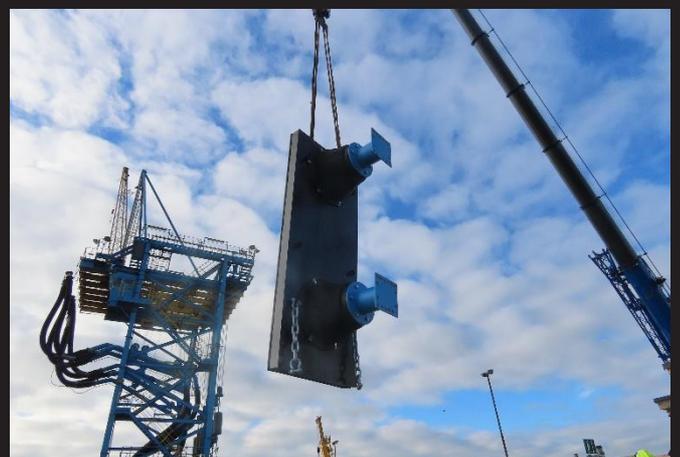
Access to the jetty presented one of the primary challenges. Certain areas of the structure could only be inspected and surveyed by boat, requiring careful scheduling around tidal movements to maximise safe working time.

The project began with the removal of the existing fender stools before installing new replacement stools and a new fender panel to restore the structural integrity of the fender system. Following the installation works, the fender assembly underwent a comprehensive cleaning and preparation process. High-pressure water jetting was used to remove marine growth and loose scale, followed by mechanical surface preparation to eliminate remaining corrosion and prepare the surface for coating.

Existing Densotape was removed from the bolts to allow full inspection and treatment. Once the surfaces were fully prepared, a specialist coating system was applied to provide long-term corrosion protection in the aggressive marine environment.

After coating, Densotape was reapplied to the bolts to ensure continued protection against water ingress and corrosion. In parallel with the structural and coating works, the team conducted an ICCP survey on the jetty by boat to assess the performance of the cathodic protection system and ensure the long-term durability of the structure.

Throughout the project, C&D Access maintained a strong focus on safety, quality and environmental responsibility.



Results



Despite the restricted access conditions and tight tidal working windows, the project was delivered successfully and on schedule.

The installation of the new fender stools and panel restored the structural functionality of the jetty's protection system, while the full surface preparation and application of the coating system significantly improved the durability of the fender assembly against future corrosion and marine exposure.

The ICCP survey also provided valuable insight into the condition and effectiveness of the jetty's cathodic protection system, supporting informed decisions for future maintenance planning.

Through careful planning, technical expertise and effective coordination, the team ensured the jetty was returned to a high operational standard that will support safe and reliable use for many years to come.

Conclusion

Working in tidal environments requires specialist knowledge, detailed planning and the ability to adapt to challenging and unpredictable conditions. This project demonstrated the importance of combining experienced personnel, proven methodologies and robust safety practices to deliver successful outcomes in complex marine settings.

At C&D Access, we have a passionate commitment to looking after our people and our projects while delivering to the very highest standards, on time and within budget. Safety underpins everything we do, and we consistently place the health and wellbeing of our workforce first.

We also remain focused on implementing efficient and environmentally responsible solutions, actively reducing the impact of our activities wherever possible.

By continuously investing in research and development and adopting new technologies and state-of-the-art solutions, we ensure we can continue supporting our clients in an ever-changing industry while maintaining sustainable growth.

In demanding environments such as tidal structures, having the right team, expertise and preparation makes all the difference, and this project stands as a strong example of what can be achieved when those elements align.