

Belfast Dry Dock, Northern Ireland

Country: Northern Ireland, Belfast

Client: Farrans Construction for Harland & Wolff

Project Timescale: January— April 2011

Structure: Harland and Wolff Dry Dock

CPT Treatment Applied:

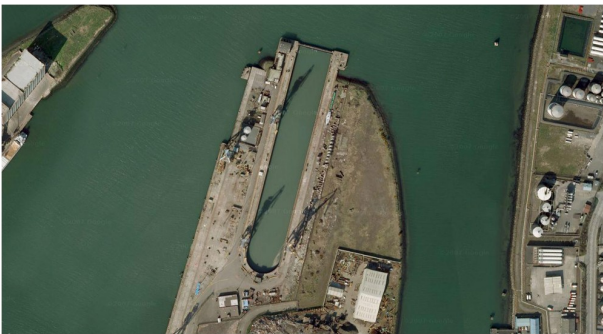
DuoGuard™ Hybrid Anode™ System

CPT Products used

- DuoGuard™ 500
- DuoCrete SD Mortar
- MN15 Reference Electrodes
- Surface Mounted Connection Boxes
- 18 Watt Solar Panel
- Steel Reinforcement Monitoring System

The Harland and Wolff Dry Dock (known as the Belfast Dry Dock) was constructed between 1965-68 by Charles Brand and Sons to a design by Rendel, Palmer and Tritton.

It is 1150 feet long by 160 feet wide and, when constructed, was one of the five largest docks in the world. The dock can accommodate ships up to 200,000gt.



The dry dock is used for the construction, maintenance and repair of ships, boats and other watercraft. Its continued use required the dock to remain open during the 3 month installation of 4000 CPT DuoGuard anodes.



According to engineer, the two biggest challenges on this project were:

1. Working to the strict timescales and requirements set out by Harland and Wolff.
2. Flooding of the galleries where the anodes were being installed by seawater.



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