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.

Problem
According to engineer, the two biggest challenges on this project were working to the strict timescales and requirements set out by Harland and Wolff and flooding of the galleries where the anodes were being installed by seawater.

Solution Developed
DuoGuard (Hybrid) 500 anodes were installed into the gallery area of the structure. This system was monitored using CPT’s MN15 Reference Electrodes and CR1000 Datalogger, powered using an 18 Watt Solar Panel.

Benefits
The DuoGuard (Hybrid) anode system was selected due to;

- The minimal maintenance requirement following installation
- The speed and simplicity of Installation
- Supporting Technical Data and Technical Support

Number of Anodes used: 4000

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