

Tarong Power Station

Australia



Country: Australia

Timescale: June 2010 (first trials)

Autumn 2012 (Full Installation repair)

Structure: Coal Fired Power Station

CPT Treatment used:

DuoGuard™ Hybrid Anode™ System



The 4 x 350MW capacity coal fired Tarong Power Station is on a 1500 hectare site located in Queensland, Australia.

Problem

The conveyor foundations of the power station showed significant signs of deterioration, suffering from chloride induced reinforcement corrosion. Originally the project was specified as an impressed current cathodic protection system, however due to the hazardous environment and problems associated with siting power supplies etc, the specification was changed to a DuoGuard Hybrid System.

Solution Developed

The DuoGuard Hybrid System is an innovative technology that arrests steel corrosion caused by chloride salts and carbonation typically within 7 days. The DuoGuard 500 anodes were successfully used for trials on the power station in 2010 before the full installation in Autumn 2012.

Benefits

The DuoGuard 500 anodes are used as both an impressed current and galvanic Anode. This systems major advantage is therefore the elimination of the need for permanent power supplies, ideal for locations where permanent power is difficult to provide and the budget for maintenance is limited.



CPT Products Used:

- ◆ DuoGuard™ 500
- ◆ DuoCrete SD Mortar

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