

Product Information Sheet:

Cathodic Protection Data Management System (CPDMS)

Impressed current cathodic protection for reinforced concrete and steel structures is a proven technology which can provide a long term solution for marine structures. The main issue associated with the performance of this technology is establishing an efficient, simple, reliable and permanent monitoring and maintenance program for CP systems, especially when monitoring multiple CP installations.

Remedial Technology has extensive experience in all areas related to cathodic protection systems including inspections, monitoring & maintenance of all types of control systems and the development of repair specifications. Further, to efficiently manage these systems, we have developed a Cathodic Protection Data Management System (CPDMS) incorporating:

- **Database of cathodic protection systems' data required for long term maintenance and monitoring:** This includes performance criteria, common forms and reports for all systems; test and work method statements for minor repair work and records of data related to maintenance work;
- **A Key Information Data Set** for each individual system incorporating key system information, the relevant as-built construction and electrical drawings and operation manuals;
- **Annual consolidated inspection and monitoring program:** This program includes functional and performance checks for each CP system and an annual specific site inspection check for each structure; and
- **Annual consolidated maintenance report:** incorporating all required maintenance requirements for each structure.

The primary function of the CPDMS is:

- Provide a platform for a simple, reliable and long-term maintenance and monitoring program for individual CP system or multiple systems;
- Ensure continuous delivery of the cathodic protection current to all structures at all times;
- Provide a platform for owners of structures to check and verify on-line the status of all functional, performance and monitoring checks for each individual structure; and
- Provide a simple, consolidated and updated status report to owners for maintenance planning.



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