

CP RETROFIT CLAMP TECHNOLOGY

Anode Installation for Marine Asset Life Extension

tamboritha.com.au

Specifications



Our Cathodic Protection Retrofit (CPR) Clamping Technology enables clients to achieve reliable life extension of existing subsea assets, operating in a hostile physical environment.

Australian Patent # 2013409431

International Patent # PCT/AU2013/001524

ADVANCED SUBSEA ELECTRICAL CONNECTION

Underwater corrosion protection is an essential part of long-life marine engineering design, class certification and regulatory approvals to operate. Corrosion protection by sacrificial anodes is reliable and effective, but anodes must be replaced before they are depleted or subsea assets will freely corrode.

Tamboritha is the developer and supplier of unique Cathodic Protection Electrical Continuity Clamps offering a first class solution to the anode retrofit market. CP Clamps bring together mechanically robust, low resistance, high current, electrical connections to provide a reliable link between anode ground beds and subsea assets. Multifunction installation tooling for Workclass Remotely Operated Vehicles (WROVs) drives installation efficiency, and delivers verifiable electrical connectivity for Tamboritha's clients.

KEY FEATURES

- Minimum pre-cleaning and excavation at clamp installation sites.
- Installation over weight-coat with Tamboritha own drilling technology to facilitate electrical connection to pipeline/member.
- Physical separation of the electrical and structural connections within each clamp (This is essential to ensure long term reliable electrical connection).
- Total installation of anode ground beds, cables and clamps by remotely operated vehicle (ROV).
- High electrical current capacity and 100% continuity redundancy with-in each clamp.
- Safe, efficient and reliable anode ground bed, cable and clamp installation.
- Designs of clamps that are suitable for tubular, plate and irregular installation geometry.
- Clamp installation in a single 'docking' using a single multifunction tool.
- Post installation physical validation of low resistance electrical connection and 'as left' DC current flow.
- Demonstrated to exceed criteria stipulated by independent certification authorities.
- Verifying connection of the anode ground bed to an internationally recognised standard.



P +61 (0)8 6498 9060 | E office@tamboritha.com.au | W tamboritha.com.au

Delivering safe and reliable services in Australia | Thailand | Malaysia | Myanmar