

## MARINE CATHODIC PROTECTION

BSS Tech has introduced marine cathodic protection services to serve the corrosion control needs of the marine industrial structures like **jetties, offshore platforms, offshore pipelines, ships, Jack up rigs, Harbor Quays, Submarines, Offshore wind foundations** etc.

Deep water platforms and pipelines present new challenges for design, maintenance, inspection and retrofit of corrosion control systems. Our expertise includes marine survey, CP systems, Anti-Fouling systems & retrofits

### Marine Surveys

The advent of the remotely operated vehicle & other survey techniques has radically altered corrosion survey and inspection practices. BSS Tech can render the below mentioned surveys with our expert engineers to gather, analyze and interpret data as per international standards. Several factors like water depth, water currents, location, depth of burial, size or length, cathodic protection system age and cost etc, determines which type of method to be used.

#### We offer the following services for offshore pipeline & structures:

- ROV Surveys
- Towed Fish / Trailing Wire Surveys
- Drop Line Platform Survey
- Guy Line Platform Survey
- Remote Electrode Submersible Survey
- Trailing Wire Landfall / Outfall Surveys
- Hybrid / Trailing Wire Surveys

Marine/Offshore structures can be protected by different means of CP systems

#### • Sacrificial Anode System

The structures which are commonly protected using SACP systems includes ship's hulls, propellers, Ballast tanks, Sea water intakes.

#### • Impressed Current Anode System

A well known reliable system used to protect marine offshore structures is by ICCP system. The correct placement of ICCP components is the critical factor for balanced operation and is necessary to provide uniform current distribution and sufficient current density.

#### • Anti Fouling System

An effective anti fouling system enhances the efficiency of the marine vessels and offshore structures by preventing bio fouling.

#### Different types of Anti Fouling system includes

1. Conventional grid Anti Fouling System
2. Strainer System
3. Skid Mounted Anti-Fouling System



*MMO Elliptical Anode for Vessel*

*MMO Linear Anode for Vessel*

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