

MARINE STRUCTURE REPAIR & PROTECTION:

ElectroTechCPTM Impressed Current Cathodic Protection





ElectroTechCP™
ICCP System Features:

Delivers Long-Term Protection

Systems are designed to provide 25 or more years of protection.*

Precision Control

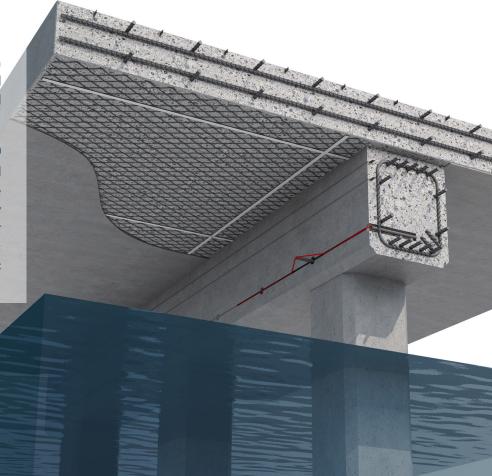
As conditions change, protection levels can be adjusted to optimize current flow and protection in order to maximize structure and system life and prevent overprotection.

Delivers the Highest Levels of Protection

Variable output power supplies and sophisticated controllers deliver protective current to the structure through strategically placed anodes. These systems allow for different levels of protection within a structure; with integrated monitoring and automatic adjustment.

Reinforced concrete structures in a marine environment are highly susceptible to corrosion-induced damage. STRUCTURAL TECHNOLOGIES' ElectroTechCP™ ICCP (Impressed Current Cathodic Protection) Systems precisely deliver the highest levels of protective current to reinforcing steel in concrete.

Based on the specific needs of a project, our cathodic protection specialists can design or assist our clients in the engineering of complete ICCP systems – integrating and delivering all major components produced and engineered by STRUCTURAL TECHNOLOGIES.



*Service life and performance is dependent upon many factors including system design and application environment.



ElectroTechCP™ ICCP System Components & Configuration:

Main Control Unit & Local Rectifier Units

A Main Control Unit (MCU) and a number of Local Rectifier Units (LRU) provide system operation, monitoring and deliver protective current to specific zones.



MCU

Main Control Unit

LRU al Rectifie

Typical Zone Configuration

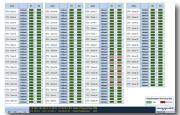
MonitoringPower Feed

ZONE #

Remote Access

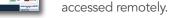
Cathodic Protection Power Supplies

STRUCTURAL TECHNOLOGIES manufactures state-of-the-art cathodic protection power supply systems to accommodate different structural and environmental conditions.



System Monitoring & Remote Operation

Integrated monitoring equipment enables rapid performance assessment and adjustment – allowing for optimal operation and corrosion protection. The MCU collects and stores system data which can be accessed remotely.



Zone Configuration

ElectroTechCPTM ICCP Systems may be configured to any number of zones to optimize protection levels in different areas of the structure.

Anodes

Designed to deliver protective current to precise locations. Common anode configurations include mixed metal oxide mesh, wire, ribbon, and probes. Other available anode systems are platinized wire, conductive or metalized coatings.

