

# CORROSION



**ICCP**

Impressed Current Cathodic Protection





# ICCP

## Impressed Current Cathodic Protection

**Galvanic corrosion is the number one enemy to steel assets exposed to sea water or any other environment with an electrolyte. Here at CORROSION we have years of experience in protecting these kinds of maritime structures. Our state-of-the-art Impressed Current Cathodic Protection (ICCP) systems will safeguard your properties continually and in a sustainable manner.**

CORROSION Maritime ICCP systems are SMART and tailor-made solutions for all types of vessels. Commercial, cruise, naval, fishing, and even luxury yachts can all benefit from our specifically designed ICCP systems. Your asset will be optimally protected in all the diverse circumstances of our oceans and rivers. This ICCP system adapts to constantly provide exactly what is needed, even when water conditions change rapidly.

## Connected through Technology

Nowadays technology makes things easier for all of us. Also when it comes to protecting your vessel. Our ICCP system is highly sophisticated to make things easier for our clients. We remain in constant connection through our unique ship management control box. This innovation is simple to install. It keeps a running log of the vessel's data and performance, which you can download and send to us. We're then able to assist, even from a distance, keeping you on your proper course. Saving time and money.

### Advantages of our ICCP power unit

- Touch screen operation in all main languages
- "Off potential" controlled
- Coating condition indicator
- Propeller shaft monitoring (+ alarm function)
- Automatic system scan
- Connected through internet
- Automatic / Manual mode
- History of all data in years
- 3 points temperature check of the cabinet (+ alarm function)
- Connectable to a vessel Management System via ethernet / RS485 and RS232 (optional)



Due to the use of very inert ICCP anode materials the impact to the environment is nihil in comparison to sacrificial zinc or aluminium anodes



## Other ICCP Advantages

ICCP systems have multiple advantages over traditional sacrificial anode systems. For one, the ICCP system is actually more economical, both at the time of purchase as well as over time. It has a long service life – 25 years-- and it's practically maintenance free. ICCP anodes are fully recessed into the ship's hull, which saves on fuel consumption. What's more, they don't harm the environment. This is a major benefit over sacrificial zinc and aluminium anodes, which release enormous amounts of heavy metals into the surrounding environment as they dissolve.

An ICCP system is one of the most effective and environmentally-friendly solutions available to protect valuable assets like ships, wind turbines, and oil platforms against galvanic corrosion. This system significantly increases the life span of these constructions, while keeping the costs for product purchase, labor, and maintenance at a minimum.



## Environmentally Friendly

ICCP system technology is currently the most environmentally-friendly solution available in the battle against galvanic corrosion. It's extremely effective and does its job without dissolving heavy toxic metals, like aluminium and zinc, into the water. This, on top of all the other benefits it brings, makes the ICCP system the best choice for the client, the construction, and the environment.

## Installation and Adaptation of Existing Systems

We can get you started with this premium ICCP system with a single installation. Or we can simply replace your current anodes. That can even happen without welding. Not having to weld the CP system prevents heat damage to the inner wall of the ship, a place which is susceptible to corrosion. Therefore, adapting existing systems is not a problem and brings no added risk of corrosion damage.

Please contact us if you've got questions or would like more information.

**CORROSION.** Steel going strong.



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