



**CORROSION
GROUP**

MICRO ICCP

**PROUDLY REVOLUTIONIZING SHIP
CORROSION PROTECTION SINCE 1989**



Revolutionize Your Vessel's Corrosion Protection with Our Micro ICCP System

The latest in ship corrosion protection technology

Revolutionizing Corrosion Protection for Small Vessels with Micro ICCP Systems

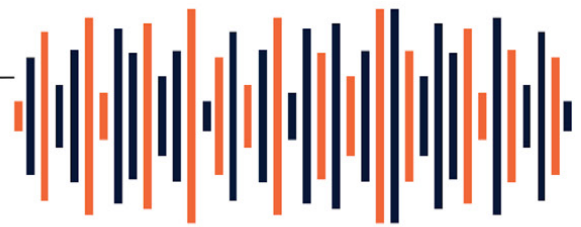
So, what is ICCP?

Micro ICCP (Impressed Current Cathodic Protection) systems are a form of electrochemical protection used to prevent corrosion on the hulls of smaller vessels. By using a low-current electrical charge, these systems prevents the onset of corrosion.

*100% results
100% environment friendly*

0% compromise





Discover how our Micro ICCP systems can benefit your vessel and protect it against corrosion for years to come.

Key Benefits of Micro ICCP



- **Reduced Drag on Hull** – Micro ICCP systems recess the anode construction in the hull, reducing drag on the hull and providing a more efficient and streamlined vessel. Saving up to 3% in annual fuel consumption.



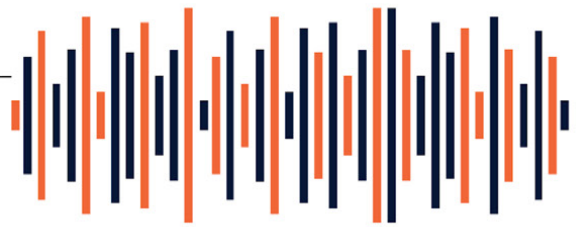
- **Increased Lifetime** – The anode is made out of a special material that dissolves very slowly, significantly extending the lifetime of the system.



- **Lower Costs** – Micro ICCP systems require minimal maintenance and are generally self-paying after one dry dock period, making them a cost-effective solution over the lifetime of the vessel.



- **Environmentally Friendly** – Micro ICCP systems release less than 20 grams of mixed metal oxide over a 25-year period, making them a more environmentally friendly solution compared to traditional GACP.



Enhancing Safety with Remote Corrosion Protection Monitoring

At Corrosion Group, we have implemented a cutting-edge remote monitoring system for cathodic protection for maritime operators, ensuring efficient management of corrosion and maintaining a safe environment. Our system offers real-time updates, alerts, and continuous data collection, empowering vessel owners to optimize operations and minimize risks associated with corrosion damage.

Key benefits:

- Advanced corrosion control: Utilizes cutting-edge technology to prevent corrosion-related issues.
- Real-time data and alerts: Offers instant notifications on cathodic protection performance.
- Enhanced safety and sustainability: Contributes to a safer environment
- Cost-effective solution: Reduces overall operational costs and increases ROI.
- Easy integration: Seamlessly integrates with vessel infrastructure





GSM transmission &
GPS synchronisation



100 % fully
automatic
protection



Interactive touch
display



Data, anywhere
you are

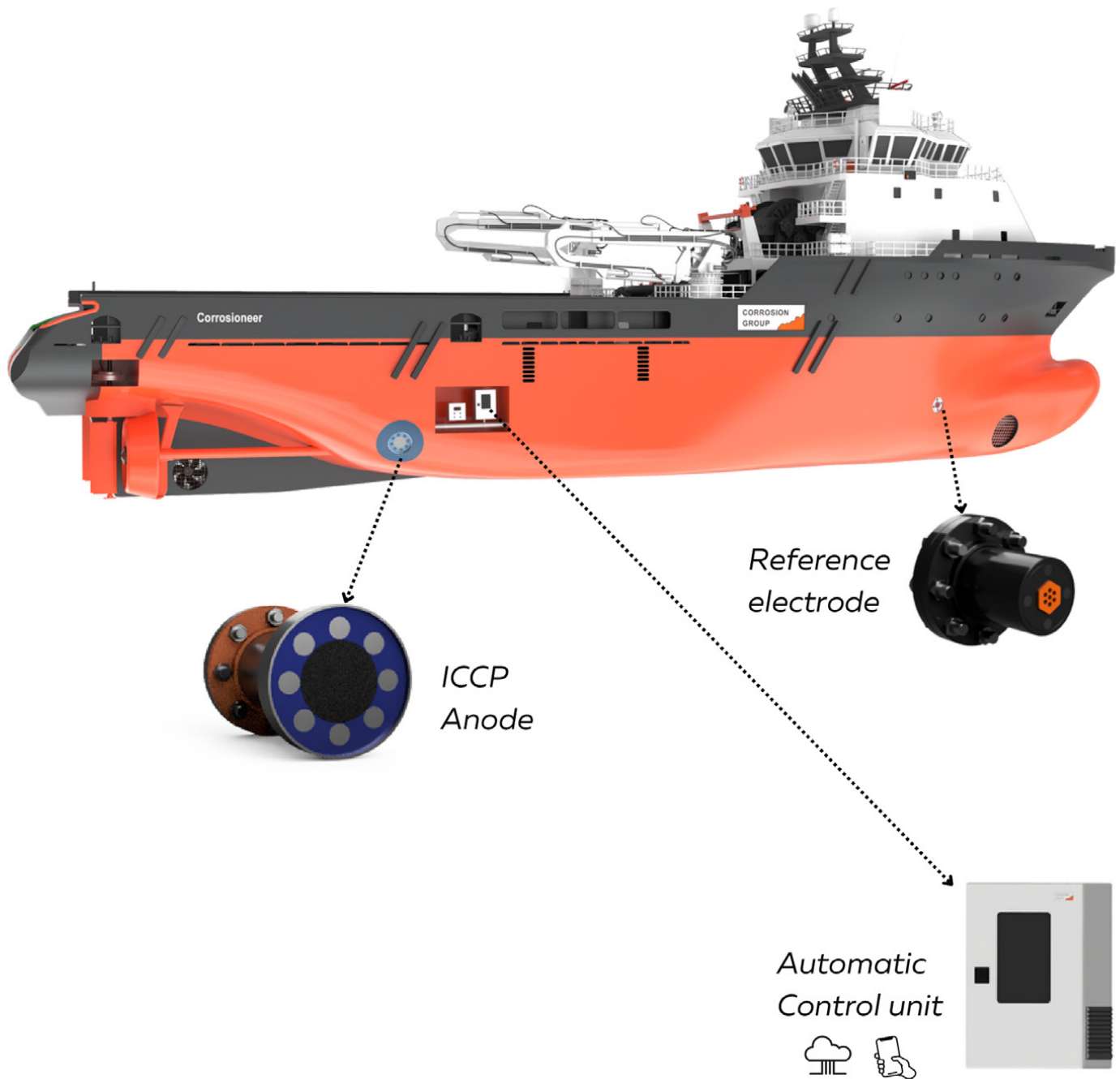
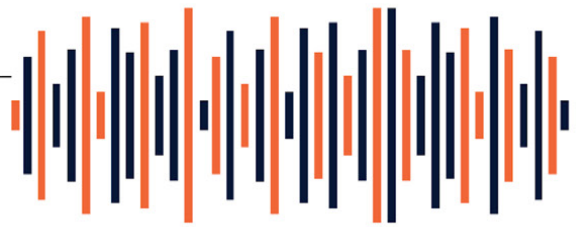


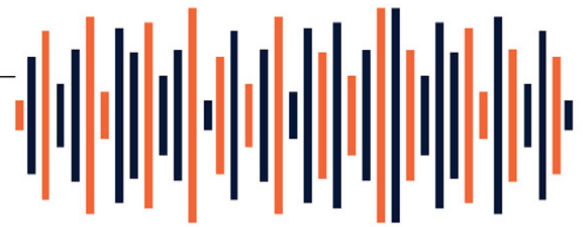
Smartphone
control &
monitoring



Digitalized & fully automatic Corrosion **Control**

SYSTEM OVERVIEW





System comparison

M-ICCP vs. GACP Comparison Table:

Vessel Data

LOA = 40m

Breadth (Mid) = 14m

Draught (Design) = 3.2m

Area of Operation = Baltic sea

Parameter	M-ICCP System	Sacrificial anode System
Initial Cost	€14,000,00	€7,000.00
Installation Cost	€1,500.00	€1,500.00
Weight Installed on Hull	0.03 tonne	1 tonne
Dry Dock Replacement Cost	€0.00	€5,000,00 per cycle
Fuel Consumption (TFOC)	1-3% Saving	Increases Fuel Consumption By Increased Drag
Environment	Releases less than 20 gram of Mixed Metal Oxide Over 25 Year Period	Releases 5 tonnes of Aluminium Zinc Indium alloy Over 25 Year Period
Area of Operation	No restriction for change of environment as anode adjusts to environment change	Can be restricted performance if changing environment of operation e.g. salt water to brackish water
Lifetime Cost (25 years)	Capex = €5,000.00 Opex = €5,000.00 running costs TOTAL = €10,000.00	Capex €4,000.00 Opex = €22,000.00 (4 dry dock replacement) TOTAL = €26,000.00 Excluding Rise in TFOC





*Do yourself and the environment a favor.
Switch to a sustainable ICCP system today*

**CORROSION
GROUP**

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