

# CORROSION



Maritime



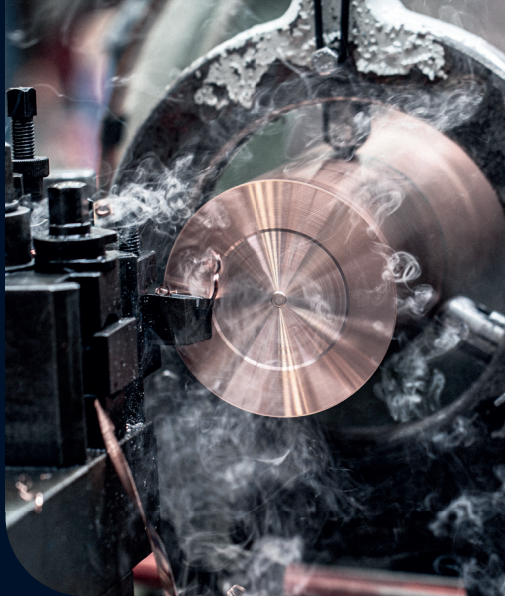
# We are **CORROSION**

**Protecting your precious equipment and properties from fouling and corrosion is our soul objective.**

Since our humble beginnings in 1993, we've continued to grow internationally and made a name for ourselves by developing creative, sustainable, and advanced solutions in marine growth prevention systems and cathodic protection. Our mission is to provide excellent service and ambitious environmental standards. Wherever you are in the world, our global team is dedicated to keep you going. **No matter what.**



We engineer, test, and validate fully integrated corrosion and anti-fouling systems in-house. We deliver data-backed lifetime protection for offshore and marine assets.



## **MGPS & UV-C**

### Marine Growth Prevention Systems

Since 1993, CORROSION has specialized in protecting cooling systems from fouling and micro-organisms, such as mussels, barnacles and algae with Marine Growth Prevention Systems (MGPS). Without MGPS, fouling will clog up pipework and box coolers will overgrow, resulting in reduced heat exchange.

We offer both Impressed Current Anti-Fouling (ICAF) systems and UV-C light technology. ICAF systems apply an electric charge to a copper anode, releasing copper ions that create an adverse environment and prevent fouling. These are digitally controlled by a power unit, data-logged, and ship-integrated.

Our UV-C non-chemical systems, developed with partners like Philips, offer sea chest protection by destroying fouling cell structure and DNA without harming organisms outside the sea chest. Our turnkey approach keeps heat exchangers and sea chests clean, reducing maintenance and preventing overheating.

# Cathodic Protection

## Long-life corrosion protection for marine structures

Corrosion is a galvanic process by which metals deteriorate through oxidation. Most metals are not corrosion resistant and will oxide even under ambient conditions when left unprotected. This process can be stopped by cathodic protection (CP).

At CORROSION, we design and install bespoke CP systems to protect hulls, sea chests, thruster tunnels and pipework where coatings wear. We specify the optimal mix of Sacrificial Anode (SACP) and Impressed Current Cathodic Protection (ICCP) systems per project, balancing upfront cost, maintenance and environmental impact. Our ICCP solutions offer long-life anodes, remote monitoring and minimal material input for sustainable, continuous protection.

Oftentimes pipework connected to titanium plate heat exchangers and chillers fall victim to an aggressive form of corrosion, which is the result of two dissimilar metals reacting to each other. To prevent this, we deliver targeted ICCP solutions. Our tailored systems use compact pin anodes and reference cells mounted directly on affected pipework, and are designed for easy integration and reliable, low-maintenance protection. The result: fewer leaks, less downtime and lower lifecycle costs.

## PSG

### Propeller Shaft Grounding system

CORROSION recommends and installs propeller shaft grounding (PSG) on all vessels to prevent costly bearing damage from stray currents. Our PSG systems provide a low-resistance electrical path and can be integrated with ICCP for combined protection and monitoring.





## Service & support

Our service department delivers end-to-end lifecycle support for ICCP systems, ensuring reliable protection and regulatory compliance from design through long-term operation.

What we provide:

- Site surveys and bespoke design
- Certified installation and commissioning
- Scheduled preventive maintenance
- Fast corrective repairs and OEM spare parts

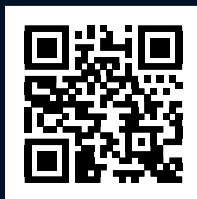
We deliver training, full documentation, optional remote monitoring to ensure regulatory compliance, reliable performance and long-term asset protection. To unburden you is our goal. We're always exploring even better ways to serve you, and still keep an eye on our surroundings whenever we can.

**CORROSION** STEEL GOING STRONG

# Location

## **CORROSION HQ**

Zernikestraat 2  
2665 JJ Bleiswijk  
The Netherlands  
+31 (0) 79 593 1295  
[info@corrosion.nl](mailto:info@corrosion.nl)



**CORROSION.NL**

