



MARELCO™ GUARDIAN An EMCS Industries Ltd. Product

As the inventors of the Marine Growth Protection System (MGPS), we are honoured to have established the benchmark in marine growth protection and biofouling management. Not only did we set the standard, but our innovation gave rise to many similar products influenced by our original design.

The MARELCO™ Guardian uses impressed current anodes and a control panel to create an electrolytic marine growth and corrosion protection system. Copper marine growth (MG) and aluminum trap corrosion (TC) anodes are located in the seawater system or the pipes.

A control panel sets the anode amperages for the desired dosage and time. Depending on the piping system's composition, an iron anode may increase effectiveness. The MARELCO™ Guardian system can be used with all pipe types, including PVC.

What makes MARELCO™ different?

- Lloyds registered hanging assembly ensures the anode connection is fully protected, easily accessed and prevents electrical shorts.
- Studs are insulated from the anode, eliminating "hot studs."
- Anode tape design adheres directly to the anode with a water-resistant adhesive, ensuring no seawater ingress occurs, and the anodes will not snap off during operation.

APPLICATIONS

- Marine vessels of all sizes and applications
- Sea chests
- Internal Piping Systems
- AAQS (Scrubber Systems)
- Fire Suppression
- Crossovers
- Heat Exchangers
- Box Coolers



BENEFITS

- Marine growth protection of sea chest
- Marine growth protection + corrosion control of internal seawater systems
- Uses copper and aluminum anodes to treat incoming seawater
- Maintains efficiency of the system/vessel
- Increases fuel efficiency of vessel
- Reduces vessel drag + weight
- Reduces carbon emissions due to fuel efficiency
- Reduces the translocation of invasive species
- Can be retrofitted + specified in design
- Control panel and relay for easy control
- Turnkey solution



[View Product Video](#)



Contact Us

+1.250.656.5366

+1.844.433.EMCS (3627)

sales@emcsindustries.com

emcsindustries.com



Protecting internal seawater systems and hull from biofouling and corrosion is key to improving vessels' fuel consumption, energy efficiency reducing carbon emissions. These key benefits will help vessel owners/operators help to achieve EEXI + CII regulations.



We are committed to Goal 14 (Life Below Water) of sustainable development laid out by The United Nations Department of Economic and Social Affairs. We continue to invest in research and development to support our mandate to be accountable, respectful, and look after the world's vulnerable ocean ecosystems while contributing to the Blue Economy.

