



# FIND OUT HOW WE CAN ADD STRENGTH AND REDUCE CORROSION ATTACK ON YOUR MARINE ASSETS

*“We harness OCEAN WAVES and TIDES to remove and prevent marine growth and in doing so, reduce wave loading and corrosion attack on marine structures”*

**NO MODIFICATION REQUIRED • NO ADDED WEIGHT TO STRUCTURE • NO EFFECT ON CATHODIC PROTECTION**



## POWERED SOLELY BY ENDLESS OCEAN ENERGY

Our marine growth philosophy focuses on breaking down the marine colonization process by preventing the formation of microbial slime, the very first colonizers. This is achieved by using the endless energy of ocean waves and tides to power the continuous rolling actions of our specifically designed apparatus over protected structures.

## BENEFITS OFFERED

- Eliminates the need to clean marine growth in the splash zone.
- Reduces wave loading and therefore, increase the structural capacity and prolong the service life of jetties.
- Facilitate the underwater inspection of submerged structures to monitor corrosion and integrity of jetty piles.
- Eliminates SRB-induced and other forms of corrosion attack caused by marine organisms
- Improve aesthetic feature of the facility.

**SINCE 1990,**  
**IEV HAS INSTALLED OVER 26,000**  
**MARINE GROWTH PREVENTERS**  
**ON OVER 350 OFFSHORE PLATFORMS**  
**AND OVER 20 JETTIES WORLDWIDE.**

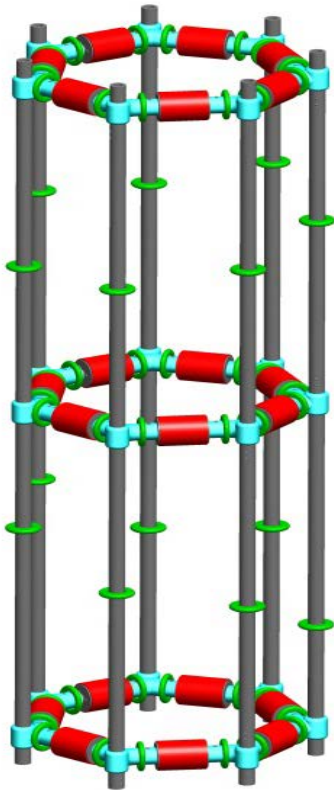


# INTRODUCING OUR NEW GENERATION OF WAVE-DRIVEN MARINE GROWTH PREVENTERS

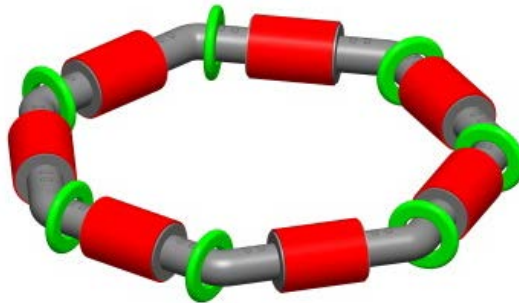
## "SELF-CLEANING" MGP-*i*

*Designed with high durability to operate in SPLASH ZONE areas*

The MGP-W SC is a new generation of our wave series MGP. It features composite rubbers to remove heavy marine growth settlement in areas where products are subject to constant wave actions. Long service life is achieved by the self-cleaning and "one-piece" connector designs.









**MULTIPLE RING MGP-W SC\*** is an ultra strength version of IEV's wave series of MGP designed for marine growth from water line to more than 10 meters below sea level. Number of rings are determined to suit the depth of protection.



**SINGLE RING MGP-W SC\*** is a splash zone version that is applied especially to the rough environment of the wave loading area.

*\* Patent pending*

	<b>APPLICATION</b>	<ul style="list-style-type: none"> <li>Offshore Oil &amp; Gas Platforms</li> <li>Jetties &amp; Terminals</li> <li>Offshore Wind Farms</li> </ul>
	<b>AREAS</b>	<ul style="list-style-type: none"> <li>Splash Zone for single-ring product</li> <li>Splash zone to 1<sup>st</sup> obstruction below water surface such as anode for multi-ring product</li> </ul>
	<b>SOURCE OF POWER</b>	<ul style="list-style-type: none"> <li>Ocean waves, swells and tidal fluctuation</li> </ul>
	<b>FEATURES</b>	<ul style="list-style-type: none"> <li>"Self-cleaning" - requires no anti-fouling coating and hence, offers extended service life</li> <li>"One-piece" moulded connectors with varying angles to accommodate a large range of pile diameters</li> </ul>
	<b>MAINTENANCE &amp; INSPECTION</b>	<ul style="list-style-type: none"> <li>Designed to be maintenance-free but an annual inspection is recommended</li> </ul>
	<b>INSTALLATION</b>	<ul style="list-style-type: none"> <li>No configuration required for single-ring product to clean and prevent marine growth</li> <li>Reconfiguration required for multiple-ring MGP-W SC after cleaning process</li> </ul>



*MGP-W SC working on an existing steel pile jetty*



*MGP-W SC protecting a new pile from marine growth settlement*



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