



ADD **LIFE** AND **STRENGTH** TO YOUR OFFSHORE  
ASSETS WITH THE WORLD'S **LOWEST COST**  
STRUCTURAL INTEGRITY MANAGEMENT SOLUTION,  
THE **MGP-i**

## COMBATING THE "LETHAL" COMBINATION

The combination of marine growth and wave loading on offshore platforms:

- ! Increases cyclic stress and reduces fatigue life;
- ! Increases lateral loadings and reduces Reserved Strength Ratio (RSR); and,
- ! Increases probability of failure (PoF).



" Studies reveal that a majority of loading induced by waves on fixed offshore structure is generated on the uppermost portion of the structure. "



## BY CHANGING THE PROFILE OF MARINE GROWTH

IEV's reduce wave loading which:

- o **Increases** structural capacity;
- o **Extends** life of platforms; and
- o **Extends** platform inspection interval - saving time and cost.

## WITH THE PATENTED MGP-i SOLUTION

- ✓ A **30-year old** technology developed and owned by IEV
- ✓ Recognised in API RP2 SIM (Nov 2014 1st Edition) as a measure to **reduce hydrodynamic loading** on platforms
- ✓ Targets marine fouling in the **wave zone**
- ✓ Cleans and prevents marine growth in **one single deployment**
- ✓ Powered solely by **ocean energy**
- ✓ Can be applied to all marine structures, **new or old**
- ✓ **Eliminates** and/or significantly reduces the need for periodical cleaning
- ✓ **No diver / ROV** intervention
- ✓ **No structural modification** required
- ✓ Allows **incremental marine growth thickness below the wave zone**

**SELF-CLEANING • TYPHOON-PROOF**



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