



# “OCEAN-POWERED” MARINE GROWTH CONTROL TECHNOLOGY

*Case Study: Cleaning & Prevention of Marine Growth on Offshore Structures in China under Icy Ocean Conditions*

## BOHAI BAY PROJECT, CHINA



### Client Profile

Client : ROC Oil Bohai Bay  
Field Type : Brownfield  
Location : Tanggu, Tianjin, China  
Water Depth : 27.43m (90ft)

### Project Information

Award date : September 2014  
Execution : December 2014  
Completion : December 2014  
Location : Offshore – Roc Oil Bohai Field

### MGC Solutions

Structures : 6 Platforms (ODA, ODB, OPA, OPB, CP2, PT1)  
Quantity : 174 units  
Type : MGP-W-SC-SH-G-AI  
Application : Jacket Legs and Conductors

### Project Brief

These 6 platforms are located at Bohai Bay, offshore China and operated by Roc Oil (Bohai) Company. Bohai Bay is the most southerly sea in the northern hemisphere of Asia, in which ice can form in winter period. Two (2) years prior to installation, IEV's latest generation of self-cleaning and anti-impact Marine Growth Preventers (MGPs) were introduced and installed in a pilot project, on selected conductors and jacket leg members. The new anti-impact (“AI”) design was proven to withstand adverse sea conditions including constant impacts by ice sheets during the winter in Bohai Bay.

Following the successful performance of the AI product design during the pilot project, Roc Oil (Bohai) Company procured and deployed 174 units of MGP AI products, to clean and prevent marine growth on conductors and jacket legs in the splash zone area of all the 6 platforms, an area which is most prone to marine growth colonisation and wave loading.

For more information about this project, email [mgc@iev-group.com/info@iev-group.com](mailto:mgc@iev-group.com/info@iev-group.com)

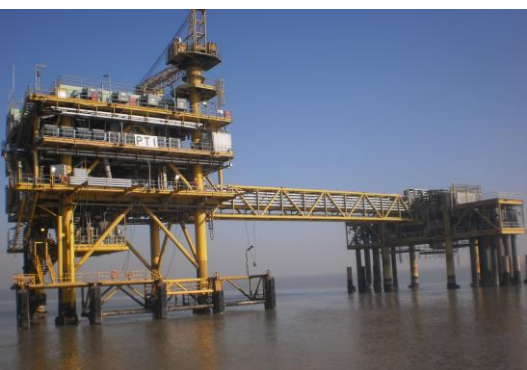




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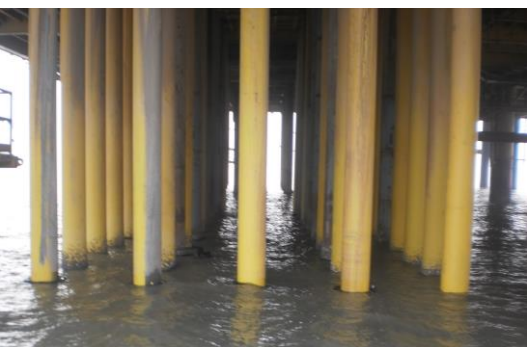
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*Offshore platforms in Bohai Bay*

The product specified for the icy and rough sea conditions of Bohai Bay is MGP-W-SC-SH AI, which is a Self-Cleaning Anti-Impact MGP. This product design is now commercialised globally by IEV for splash zone applications and substitutes earlier product generations due to its superior durability and single-deployment feature for both cleaning and prevention of marine growth on splash zone structures.



*Installed MGPs' still intact and effective after winter period.*

This project was awarded in September 2014, allowing less than 2 months for production, quality check and delivery to project site. The products were installed by divers at site, under IEV's supervision. The installation work commenced and ended in December 2014. This project is IEV's first MGC commercial project in icy ocean conditions in North Asian waters.

For more information about this project, email [mgc@iev-group.com/info@iev-group.com](mailto:mgc@iev-group.com/info@iev-group.com)