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# DEEPWATER

## RETROPODS™ INSTALLED ON FPU SUBSEA EQUIPMENT: GULF OF THAILAND

### Wellheads and gravity bases protected for 10 years.

Deepwater was contracted to supervise the installation of a cathodic protection (CP) anode retrofit system and perform continuity checks on RetroPods™ and Web-RetroClamps™ for six subsea trees and the clump-weights (gravity base) of an offloading buoy and mid-depth buoys (MDB). A total of twelve RetroPod™ 10-year anode systems with eighteen (18) Web-RetroClamps™ (electro-mechanical tie-back clamps) were installed. Six clamps were for the subsea trees and twelve for the clump-weights (which includes three clamps damaged by ROV and during placement of the RetroPods™). Note: Each RetroPod™ was attached with two Web-RetroClamps™; one of the clamps was for redundancy purposes hence, the CP system was working very well. CP readings were taken on the clamp and the adjacent member using a contact probe much later after installation. It was highly recommended that potential survey be taken 90 days after the installation as the structures may not have fully polarized at the time of install. This survey will help to verify adequate cathodic protection of the structure. In conclusion, the RetroPod™ anode system was installed and deemed successful based on the potential shift as observed in the CP readings recorded after installation.

More info at [www.stoprust.com](http://www.stoprust.com)



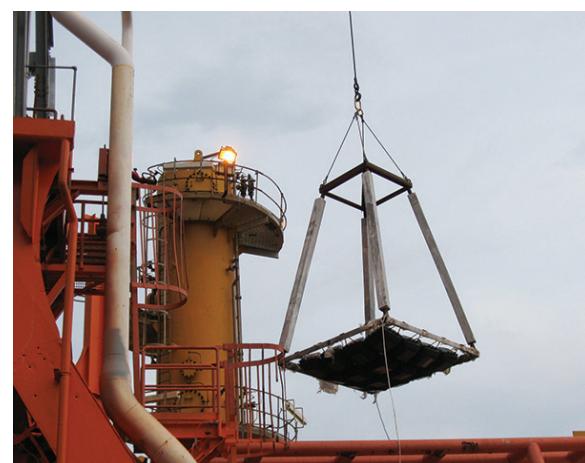
RAPID INSTALLATION

A RetroBuoy is about to be loaded onto the work boat.



ROUGH NEIGHBORHOOD

The platform sits in 1,930 ft of water in the Gulf of Mexico.



RAPID INSTALLATION

A RetroBuoy is about to be loaded onto the work boat.



ONE DOWN, ONE TO GO

Positioning the second RetroBuoy for deployment.



ONE DOWN, ONE TO GO

Positioning the second RetroBuoy for deployment.