

DEEPWATER

PANYU 30-1 RETROBUOYS™ AND CP MONITORING: SOUTH CHINA SEA

RetroBuoy™ ICCP system protects platform in South China Sea

Deepwater Corrosion Services was contracted to extend the life of a platform by installing Deepwater's proprietary RetroBuoy impressed-current cathodic protection (ICCP) retrofit system. The platform is located in 200 meters of seawater in the Pearl River Mouth Basin. This production platform is an eight-legged fixed jacket with one conductor well bay and multiple pipeline risers and J-tubes. Some of these J-tubes remain empty, and one of them was used as a conduit to pull the RetroBuoy system's cable through from subsea to topside.

Four RetroBuoy ICCP anode sleds, subsea power cables, four transformer-rectifiers, Topside junction box, topside DC cable, topside monitoring junction box and two DR-III monitoring systems. Prior to energizing the ICCP system, a baseline drop cell CP survey was performed to assess platform potentials. The potentials ranged from (-)1.018mV to (-)1.020mV at the top of the platform.

More info at www.stoprust.com



EIGHT-LEGGED FIXED JACKET

PanYu 30-1 sits in 200 meters of water in the South China Sea.



RAPID INSTALLATION

A RetroBuoy on the deck of the work boat.



TRANSFORMER/RECTIFIERS

There's one of these required for each RetroBuoy™.



THE BUOYS ARE ALL HERE

Four RetroBuoy™ were used to protect the platform.



ADDING THE FINAL TOUCHES

Technicians ready a RetroBuoy™ for deployment.