

DEEPWATER

ICCP RETROFIT: LAF-1&2 PLATFORMS, GULF OF GUINEA

Deepwater Corrosion Services installed hybrid cathodic protection systems on two offshore jackets in West Africa.

Deepwater Corrosion Services Inc., USA, in conjunction with Alduco Engineering Services, Malabo, successfully designed and installed a 20-year Impressed Current Cathodic Protection (ICCP) retrofit system for CMS NOMECO (Perenco) Congo on two of their offshore jackets in 110m of seawater located in the Gulf of Guinea on the West African coast.

The complete assembly and installation of the systems was accomplished onboard the barge within minutes, as it comes partially assembled in a box.

This was a hybrid retrofit solution using sacrificial and impressed-current cathodic protection at the same time. Sacrificial protection for the upper section of the jackets was carried out by the client while Deepwater designed the ICCP system to provide CP for the lower section and to augment the upper section. Only a 32mV vs. Ag/AgCl negative shift was needed to achieve the desired potential.

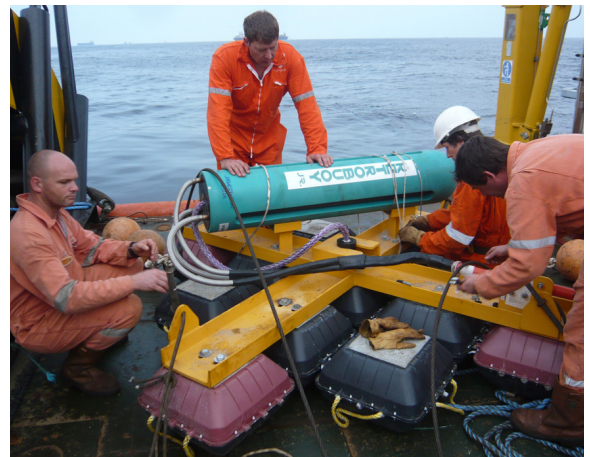
The installation was achieved using an ROV. Deployment was seamlessly easy, as the cable routed quickly.

The advantages of this product include its ease of assembly, its good percentage of local content and the fact that it is ROV friendly. It can be shipped boxed, so the client/purchaser can more easily assemble and install it using the instructions provided.

More info at www.stoprust.com



NEEDING PROTECTION
The platforms sit in 110m of water off West Africa's coas



EASY ASSEMBLY
Technicians ready the RetroBuoy™ for deployment



ALMOST DONE
Once the RetroBuoy™ is on the seabed, an ROV will complete the installation.