

# DEEPWATER

## DEEPWATER INSTALLS RETROMATS™ ON METHANOL PIPELINE: EQUATORIAL GUINEA

### RetroMats™ extend life of Atlantic methanol pipeline in Equatorial Guinea by 20 years.

Deepwater Corrosion Services Inc., USA, in conjunction with Alduco Engineering Services, Malabo, successfully designed and installed 20-year Cathodic Protection (CP) retrofit systems for Atlantic Methanol Pipeline Company (AMPCO), Equatorial Guinea subsea facilities in the Gulf of Guinea on the Western African coast. This retrofit will protect a 2km 24" methanol pipeline and its PLEM, and two each of seawater intake and outfall protective frames using Deepwater's RetroMat™ sacrificial retrofits of various sizes. Deepwater's RetroMat sacrificial CP system comprises a concrete ballast mat with integral aluminum (Al-Zn-In) anodes. Each system is designed uniquely to satisfy both CP current and alloy mass requirements for each facility on a 20-year life extension. The least negative CP potential observed was 1025mV vs Ag/AgCl reference electrode, which was recorded immediately before installation.

The assembling and installation of the systems were accomplished within three (3) days in water depths ranging from 6m – 30m. All assembly activities were carried out onsite with the local workforce using locally available materials and equipment, which ensured the local content quota was satisfied. Deepwater's representative worked extended hours to ensure the project was accomplished in a minimum amount of time, which helped further reduce installation costs for the client.

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



#### TONS OF CATHODIC PROTECTION

The RetroMats™ will provide 20 years of cathodic protection for the pipeline and associated subsea assets.



#### THE MATS DO DOUBLE DUTY

The mats work as stabilization mats while providing cathodic protection.



#### BUILT ON-SITE

RetroMats™ arrive as plastic molds that are filled with concrete locally.



#### HELPS MEET LOCAL CONTENT REQUIREMENTS

Mat assembly utilizes locally sourced materials and workforce.