

DEEPWATER

RETROSAM™ ICCP ANODE SYSTEMS INSTALLED ON OSI FPSO: LIVERPOOL BAY

Four hanging impressed-current anode systems used to retrofit the OSI's failing hull anodes.

Deepwater EU Ltd. installed four RetroSAM™ (suspended anode module) systems that will protect the hull of an offshore storage installation vessel. Harsh conditions make traditional cathodic protection in this environment impossible, so each system is suspended from a porch and tethered to a second porch for recovery during severe weather. RetroSAM™ requires no subsea intervention during installation; once the porches are installed on the deck, the anode module takes just one hour to install. Designed as a joint project between Deepwater EU and Deepwater Corrosion Services Inc. in Houston, the system is designed to protect the hull for 10 years.

More info at www.stoprust.com



LOCATED 24KM FROM THE NORTH WALES COAST
The OSI is designed to have an 870,000 bbl capacity.



RECOVERABLE ANODE

The RetroSAM™ is deployed from the porch at left and is recovered to the center porch during rough weather (shown).



HANGING AROUND THE PORCH

The recoverable anode hangs off a porch on the FPSO during calm weather.



WHERE THE MAGIC HAPPENS

Once installed, the suspended anode module will hang a few meters off the hull of the FPSO.



TRANSFORMER/RECTIFIER

This is what powers the RetroSam™ ICCP recoverable anode.