

DEEPWATER

RETROLINK™ CATHODIC PROTECTION ANODE STRING FOR SHALLOW WATER

From 2009-2014, RetroLinks were used to retrofit the cathodic protection on over 500 fixed structures.

RetroLink is a cost-effective cathodic-protection retrofit system consisting of 3 to 15 aluminum anodes cast directly onto a heavy-duty wire rope. The RetroLink attaches mechanically and electrically above the water line, allowing the string to hang in the seawater with at least two anodes dragging in the mud. The installation is almost always diver-less and performed from a small vessel. RetroLink can be used for any structure in less than 85 feet of water.

Dependable

In addition to being easy to install, the RetroLink system is incredibly robust. RetroLink is consistently able to resist category 2 hurricanes and often remains in service after category 4 storms. Two operators doing post-hurricane inspections in 2009 found that 95% of their RetroLinks were still working after hurricanes Gustav, Ike, Humberto, Rita, and Katrina. The RetroLink is exceptionally reliable cathodic protection with minimal installation expenditures for offshore, inshore or marine structures.

Extremely versatile

The RetroLink is designed to hang from a support that is welded or bolted to the structure. The string is attached and hangs with the anodes submerged. With two anodes trailing on the bottom, sea movements are attenuated and the string won't wrap around the structure. The RetroLink can be hung from any horizontal or vertical member and can be attached subsea if necessary.

Adjustable in the field

The wire-rope core provides electrical conductivity through the anode system as well as sound mechanical support. The strings have up to fifteen anode segments; these may be cut to length (often in the field) and deployed to provide cathodic protection exactly where it's needed. If additional anode material is laid in the mud, the system life can be extended to almost ten years. Links can be stored on the boat and cut to length and installed as necessary, especially during post-hurricane inspections.

Weld-on or clamp-on support

The weld-on topside suspension assembly can be affixed to horizontal or vertical members. The isolator can have links for protecting offshore risers. Links can be attached subsea using a modified hang-off. A new clamp-on support is also available, complete with I-Clips to prevent crevice corrosion.

Hurricane-resistant

As of January 2009, Deepwater recorded 668 RetroLinks installed on 112 structures in the Gulf of Mexico. Since Hurricane Gustav, twelve of these structures have been inspected for CP readings. Eleven are still protected; one is low. From 2009-2014, Deepwater installed 2,004 RetroLinks on 512 Gulf of Mexico structures.

Quick installation

Once the crew is on site, installation takes an average of 68 minutes per link; the average time dock-to-dock is two hours and 12 minutes.

More info at www.stoprust.com



RETROLINK

RetroLink is a durable 5 year replaceable system that installs in an hour and a half.



STAND-OFF OPTIONS

RetroLink can be mounted from clamped, bolted or welded stand-offs.



SACRIFICIAL ANODES

RetroLink is designed with the anode material cast directly onto the wire rope.