

# DEEPWATER

## SHENZI SUBSEA TREE PERMANENT MONITORING SYSTEM: GULF OF MEXICO

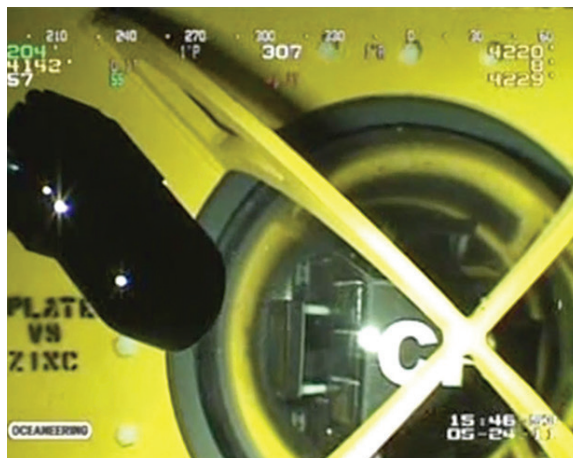
### Permanent monitoring system with SunStation™ proves successful in Gulf of Mexico

The first-ever deployment of a SunStation™ CP critical monitoring system pre-installed onto a subsea tree was successfully interrogated last month by an Oceaneering Millennium ROV. The unit displays the cathodic protection potentials from permanent reference electrodes installed at two critical locations on a wet tree deployed to 4,300 FSW in the Gulf of Mexico (1,300 m).

The SunStation™ performed well in its first real test on a new deep water structure. The patented technology uses integrated solar panels to power the system from the lights on the ROV. This allows a direct readout of the cathodic protection levels on critical components in the tree without having to have an ROV interfaced probe.

The SunStation™ system has been used on several other projects, but this is the deepest deployment. Deepwater CEO Jim Britton commented, "This is a critical milestone in the development of this technology which will eventually allow AUV surveillance of subsea CP systems. We have valuable field lessons learned to move this project forward another step. Watch this space."

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



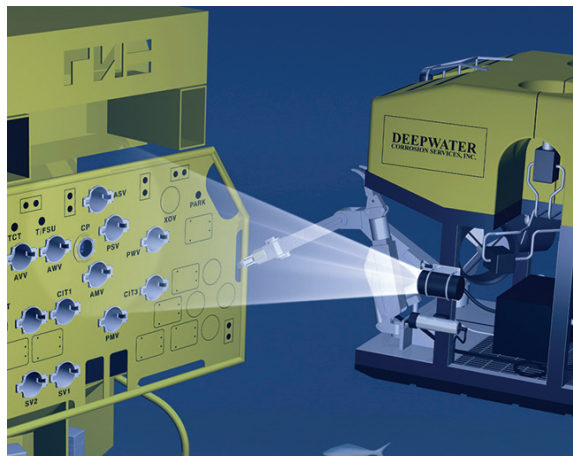
**NO BATTERIES NEEDED**  
Solar panels provide power when activated by a powerful light source..



**JUST ADD LIGHT**  
The readout number can be seen near the center of the photo above.



**PERMANENT MONITORING STATION**  
Completely powered by an ROV's lights, there is no battery to wear down. It can operate subsea for up to 25 years.



**NO ROV PROBE REQUIRED**  
The drawing above illustrates how the ROV's lights trigger the SunStation™.