DEEPWATER

CATHODIC PROTECTION MONITORING SUNSTATION™ SUBSEA READOUT FOR DEEP WATER

The SunStation can operate in deep water for up to 25 years and never requires batteries.

The Polatrak SunStation is a light-powered LED readout system that uses solar panels for power instead of batteries. It can operate in depths of up to 3,000 meters to display numerical data whenever activated by a powerful light source. Deepwater uses the system in conjunction with its line of CP-monitoring instruments to create a unique subsea solution that can be fitted to structures, pipelines and underwater equipment. When installed in critical areas, the SunStation system can greatly reduce inspection costs by redefining the requirements of the ROV class-and-equipment scope required to conduct a full cathodic protection survey.

The most common instruments used with the SunStation are reference electrodes and current-density monitors that allow asset owners to track the performance of cathodic-protection anodes. These electrodes are permanently mounted on the asset and wired to the readouts, which can be placed in ROV-friendly areas. Any class of ROV with a camera and light can record CP potentials, and no additional survey equipment or ROV probes are required. Also, since SunStation requires only visual inspection, a specially-qualified inspector is no longer necessary offshore.

Reliable cathodic protection measurement

The SunStation provides a real-time readout of CP performance whenever activated by lights aimed by the ROV or diver.

No longer limited by subsea battery life

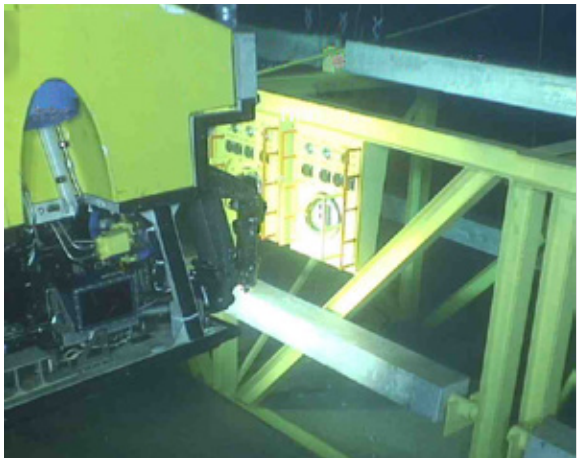
The SunStation is a breakthrough for providing a long-term power source for instrumentation in deep water. With battery lifetimes still quite limited, solar panels provide an innovative new potential supply for many other low-capacity instruments.

For inspection, a significant ROI

With the SunStation placed strategically where ROV intervention is consistently required, this system can save the operator significant sums in reduced inspection time every season. The system cost can typically be made up in two inspection cycles or less.

More info at www.stoprust.com

COMPLETELY SELF-CONTAINED
The spheres contain solar panels, so there's no connection with the surface.



SUNSTATION MOUNTED ON AN ANODE SLED
The lights from the ROV activate the solar panels that power the displays.

TESTED WHEN INSTALLED
A stab probe verifies that the electrodes are calibrated after installation.

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