
WAY AHEAD IN CORROSION CONTROL

DEEPWATER

ABOUT US

We protect offshore infrastructure from corrosion by developing more efficient systems to extend and monitor the productive lives of assets.



Founded in 1986, Deepwater is a full-service offshore corrosion control company, supplying the energy industry with expertise in cathodic protection and corrosion engineering.

Deepwater develops technology and improves industry understanding to deliver the simplest and most effective cathodic protection solutions to clients around the world. While the industry advances to greater depths, we have consistently found new ways to protect, monitor, and ultimately extend the life of the world's offshore infrastructure. We are way ahead in corrosion control.

EXPERTISE

Over 30 years, Deepwater has developed numerous methods and technologies for monitoring and controlling corrosion on virtually any type of offshore asset, from platforms and pipelines to FPSOs and wind farms. Here's an overview of what we offer:

Anode Systems

Cathodic protection (CP) systems for rapid installation on new and existing assets. Deepwater has designed and built more anode systems for offshore infrastructure than anyone else.

Polatrak® Monitoring Systems

Fixed electrodes and CP test stations for tracking cathodic protection performance over time with dramatically-reduced survey costs. We also manufacture portable probes for divers and ROVs.

Offshore Services

NACE-certified offshore corrosion inspection, installation, and survey with online reporting. Decades of offshore operations experience give us a holistic understanding of the maintenance cycle.

Corrosion Laboratory & Failure Analysis

A team of Ph.D. scientists with offshore engineering experience and practical know-how working to solve real subsea corrosion problems.



Deepwater Corrosion Services began as an offshore corrosion inspection company; our focus expanded to designing and manufacturing solutions for the failing cathodic protection systems we encountered in the field.

CATHODIC PROTECTION ANODE SYSTEMS

CORROSION CONTROL FOR OFFSHORE INFRASTRUCTURE

Our proprietary systems allow operators to quickly add decades of productive life to any asset in any environment. We have successfully deployed anode systems to protect every type of offshore installation.

Deepwater has developed an array of anode systems that have become the industry standard solution for the wide-ranging corrosion problems they were built to address. The goal of our systems is to provide more efficient and affordable alternatives to traditionally-installed sacrificial anodes.

Turnkey anode systems can be used to retrofit an existing asset or to add greater longevity and performance to new designs. Global reach allows us to swiftly mobilize for installation to any location.



The RetroBuoy™, left, uses impressed current to cathodically protect offshore structures.

The RetroClamp™, above, electrically connects anodes to structures.



Deepwater has been conducting offshore surveys for three decades. The diver at right is using Deepwater's Polatrak® CP Gun to take cathodic protection readings.

POLATRAK® MONITORING SYSTEMS

FIXED CP DATA ACQUISITION & PORTABLE PROBES

Permanent monitoring systems and software able to interface with both AUVs and ROVs provide a constant, reliable stream of information about the performance of corrosion control systems. As operations move into deeper water and systems trend toward automation, cathodic protection concerns intensify. A reliable way to monitor anode systems is essential.

For these deep and remote applications, Deepwater has developed the SunStation™ subsea readout which requires no outside power source or interface with the surface. Light from an

ROV activates the readouts, and the readings are captured via the camera. This stand-alone technology has allowed monitoring to go into deep-water fields and other previously inaccessible areas.

Deepwater's portable Polatrak® probes provide unparalleled accuracy and durability. They've been the equipment of choice in the offshore industry for over 20 years by a majority of inspectors, including our competition. Deepwater has also developed software to conduct accurate surveys that quickly deliver comprehensive reports.



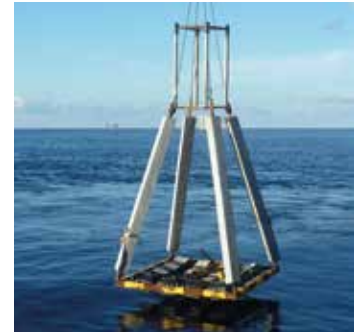
We conduct corrosion inspections, periodic subsea CP surveys, and bespoke investigations.

OFFSHORE SERVICES

CORROSION ASSESSMENT & ANODE INSTALLATION

Deepwater offers a full suite of offshore field services for corrosion inspection, survey, and anode system installation. Our team of NACE-certified corrosion professionals leverage decades of combined experience and an exceptional safety record to ensure operational success. No other organization matches our global compliance experience.

We began conducting offshore corrosion inspections in 1986 and continue to drive innovation in offshore equipment and techniques. Our team performs regulatory inspections, periodic subsea CP surveys, and bespoke investigations. Risk-based inspection procedures and concise reporting focus inspection resources where they're needed most.



Deepwater's risk-based inspection and remote anode installation experience is unrivaled. We helped develop many of the techniques and procedures that are now industry standard practice.



We quickly mobilize anywhere in the world for inspection and installation.



Deepwater's corrosion laboratory covers 3,000 square feet and boasts a fully-pressurized test chamber, potentiostats, 6,500 gallons of test tanks, and anode testing facilities.

Our lab conducts advanced corrosion testing, design, research, and modeling services.

CORROSION LABORATORY & FAILURE ANALYSIS

INVESTIGATION & DEVELOPMENT

Deepwater's laboratory facilities are invaluable to our ongoing product development and R&D efforts. All of our products are developed and manufactured in-house, based on research in the lab and data from the field.

The laboratory enables us to offer advanced corrosion testing, design, research, and modeling services. Our staff of materials scientists and corrosion engineers perform corrosion testing and failure analysis for the energy and defense industries.

We are always improving our equipment and analytical capabilities and have created dozens of innovations with our partners. Our laboratory brings together the science and offshore experience necessary to solve any subsea corrosion problem.



WHAT WE DO



Deepwater has protected offshore assets of all types in most major markets. Some examples of recent projects include:

1. Alaska

Impressed current CP system for new-build fixed leg structure: (Kitchen Lights).

2. California

New anode sleds with fixed test points on buried subsea pipeline.

3. Mexico

RetroClamps™ used to attach new anodes to hundreds of kilometers of subsea pipeline.

4. Gulf of Mexico

Cathodic protection and permanent monitoring installed on 24 permanent guide bases at a depth of 900 meters.

5. Gulf of Mexico

Replaced 300 sacrificial anodes with impressed current CP system on large spar structure.

6. Brazil

Installed RetroPods™ and RetroClamps™ to protect newly constructed deep-water flow lines.

7. Gulf of Guinea

Installed 20-year life-extending anode retrofit on methanol pipeline.

8. Irish Sea

Installed retractable hanging impressed current system to protect the hull of an offshore storage installation.

9. North Sea

Installed interior CP monitoring systems in 74 wind farm monopiles.

10. Red Sea

Installed 20-year anode retrofit on large fixed platform in just 20 hours.

11. North Sea

Platform retrofit with RetroBuoy™ anode system and region's first subsea-to-topside acoustic monitoring system.

12. Malaysia

Sacrificial anode sleds deployed to retrofit three pipelines and two platforms.



Deepwater has more experience protecting offshore assets than anyone else.

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