



## COMPANY OVERVIEW

Aquifer Drilling & Testing, Inc. (ADT) is a premier provider of marine geotechnical drilling and offshore wind support services along the U.S. East Coast. With decades of experience, ADT has successfully completed complex in water and nearshore investigations for major wind energy developers, infrastructure projects, and utility installations. Our expertise includes nearshore, shallow water, and restricted access environments, ensuring efficient, safe, and high-quality drilling operations in challenging marine conditions.

## KEY QUALIFICATIONS

From highly technical offshore wind farm projects to marine utility infrastructure projects, ADT brings technical expertise, industry-leading safety protocols, and precision execution to every job.

## OUR EXPERIENCE INCLUDES

- Executing geotechnical investigations in deep and shallow waters using liftboat and spud barge operations.
- Supporting offshore wind infrastructure development with mud rotary drilling, CPT, Sonic, and subsurface instrumentation.
- Provide assistance with unexploded ordinance (UXO) area scanning, investigation derived waste (IDW) management, and dockside logistics coordination.
- Operating in high-risk, congested waterways, including bridge crossings, ports, and tidal zones.
- We work closely with clients to develop innovative solutions that minimize project risk, optimize efficiency, and deliver results on time.

## MARINE GEOTECHNICAL CAPABILITIES

ADT provides reliable, high-quality marine geotechnical investigations to support offshore wind, infrastructure, and energy projects.





Our services include:

- **Drilling & Sampling** – Mud rotary drilling, rock coring, CPT, and Sonic sampling for offshore and nearshore site investigations.
- **Instrumentation & Monitoring** – Installation of piezometers, inclinometers, and thermal resistivity probes to assess subsurface conditions.
- **UXO & Hazard Mitigation** – Magnetometer scanning and customized safety solutions for high-risk marine environments.
- **Project Logistics** – Dockside mobilization, crew coordination, and IDW disposal to streamline operations from start to finish.

With a proven track record in challenging marine environments, ADT ensures safe, efficient, and compliant project execution.

## SELECTED MARINE PROJECT EXPERIENCE

### Supporting Offshore Wind Farm Development

ADT completed a series of geotechnical borings to determine the suitability of seabed conditions for offshore wind turbine foundations. Using a combination of mud rotary drilling and CPT, we provided critical geotechnical data to support project planning. Our team coordinated marine liftboat operations, crew transfers, and site logistics, ensuring the investigation was completed efficiently and safely, even in challenging offshore conditions.

### Geotechnical Investigation in a High-Risk UXO Zone

For a marine energy project in a known UXO area, ADT implemented customized magnetometer scanning and casing solutions to ensure safe drilling operations. We deployed mud rotary drilling techniques, thermal resistivity testing, and subsurface instrumentation while maintaining strict safety protocols to mitigate UXO risks.

### Complex Marine Drilling in a Congested Waterway

In a high-traffic maritime environment, ADT conducted deep mud rotary borings for a subsea infrastructure project. Our team managed dockside coordination, vessel traffic control, and 24/7 liftboat-based drilling operations, ensuring compliance with harbor authority regulations and environmental protection protocols.

### Executing Multi-Phase Nearshore & Landside Geotechnical Investigations

For a large-scale offshore wind transmission corridor, ADT performed both marine and landside borings to assess soil conditions for underground cable routing. We successfully managed highway and utility