GLO Marine

RETROFITS

Breaux Tide – BWTS Retrofit

CLIENT TIDEWATER

YEAR 2025

PLATFORM TYPE

Multi-purpose vessel

CLASS

ABS Class

SOW

Turnkey engineering, prefabrication support, mechanical and electrical installation

20
INSTALLATION DAYS

6
TEAM MEMBERS

0
DOWNTIME DAYS

CLIENT CONTEXT

BWTS compliance for Breaux Tide

Tidewater, one of the world's largest offshore vessel operators, required their vessels to comply with the IMO D-2 and USCG ballast water discharge standards. The Breaux Tide was scheduled for BWTS retrofitting during a limited dry-dock window at Bollinger Shipyard, USA, in March 2025. Maintaining Tidewater's fleet readiness while ensuring full regulatory compliance was critical.

THE WORK TO BE DONE

Project phases

Develop the full engineering package, including 3D scans, collision checks, system layout, spool fabrication drawings, and foundations. Prefabricate critical spools and supports. Supervise mechanical and piping installation, including removal of old systems. Manage the full electrical installation, cabling, and panel setup. Conduct functional testing and deliver the project ready for commissioning.

THE CHALLENGE

Tight space and time constraints

Tight space constraints: Integrating the BWTS system into the cargo room with minimal disruption. Dry-dock time pressure: Completing a complex installation within a strict three-week timeframe. Mechanical and electrical complexity: Managing a multidisciplinary scope within a confined area and coordinating multiple subcontractors safely.

Implementation steps

01. Engineering and prefabrication

Full 3D scanning, collision analysis, system modeling. Prefabrication of spools, custom foundations for filters, UV chamber, control panels.

02. On-Site Mechanical Installation

Removal of obsolete pipes. Installation of BWTS piping and equipment foundations. Mechanical installation of the filter, UV chamber, pumps, flowmeters, valvesand air piping.

03. On-Site Electrical Installation

Mounting and connection of electrical cabinets. Routing and connection of high-voltage cables and instrumentation (UV sensors, flowmeters, transmitters). Installation / connection of control systems and valve actuators.

04. Final Testing and Preparation for Commissioning

Hydrostatic pressure testing of pipework. Air leak testing for pneumatic systems. Final visual inspection and delivery of complete installation dossiers.

The outcome

Final results

- Retrofit completed within 20 days, without any dry-docking extension.
- 100% compliance with ABS class and IMO D-2/USCG BWTS discharge standards.
- Zero Lost Time Incidents (LTIs) recorded during the project.
- Immediate readiness for commissioning with no outstanding corrective actions.

Through this project,GLO Marine successfully delivered a complete BWTS installation turnkey solution— from detailed engineering and prefabrication, to mechanical and electrical installation, to project supervision, testing, and full client handover. Our ability to offer a single-point-of-contact EPCI service allowed Tidewater to benefit from faster execution, minimized vessel downtime, and a fully compliant retrofit process ready for final commissioning.This project reinforces GLO Marine's role as a trusted strategic partner for large-scale, multi-vessel retrofit programs across the offshore energy sector.

GLO Marine

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