

BWTS Installation During Voyage on Bourbon OSV

CLIENT BOURBON

YEAR 2023

PLATFORM TYPE

PSV

CLASS

SOW

Design, Procurement, Installation



25
INSTALLATION DAYS DURING VOYAGE

38%
COST SAVINGS

0
DELAYS DUE TO PLANNING ISSUES

1
POINT OF CONTACT FOR ALL PROJECT PHASES

CLIENT CONTEXT

Custom retrofit solutions for Bourbon

BOURBON, a prominent industry leader with a fleet of over 500 vessels specializing in offshore services, is known for its unwavering commitment to operational excellence. The Bourbon Group continually strives to fulfill its clients' diverse requirements by providing an extensive array of services in both continental and deepwater offshore environments. Collaborating with BOURBON entails consistently delivering top-tier performance and taking a proactive approach, fostering a partnership ethos rather than a conventional supplier-client relationship. In terms of retrofits, they always need complete custom solutions delivered in time.

THE WORK TO BE DONE

Project phases

- 3D laser scanning
- Feasibility study, troubleshooting and risk assessment
- Concept design for best solution
- Engineering and production drawings
- Procurement
- Installation

THE CHALLENGE

Time-critical installation during voyage

Bourbon Offshore faced a time-sensitive challenge have a new ballast water treatment system installed on the Bourbon Front before the upcoming offshore campaign in Namibian waters. The project had to be completed during the vessel's voyage from Gibraltar to Namibia, without the convenience of a standard dry-docking period or access to shore resources. This demanded precise execution in design and procurement, ensuring a successful installation within the fixed 25-day window.

Involvement of GLOMARINE throughout the project stages

01. Design and Engineering

Smooth collaboration between design team, procurement team and site team has proven to be key for successful installations during voyage, where reliance on an on-shore workshop to fix issues within short notice, is not an option.

02. Procurement

Prefabrication has been supervised and inspected bi-weekly by GLO Marine's surveyor, to ensure all components are built precisely as per the material lists generated during design phase.

03. Installation Guide

Our dedicated Project Manager carefully laid out all installation works over the 25 days installation window, with clear quotas and KPIs for each day and handed over the project plan to our Installation Supervisor, who boarded the Bourbon Front together with 5 Pipe fitters and 1 Electrician to execute the job. During installation, our on-board Installation Supervisor reported the real progress made against the forecasted schedule, at the end of each day, information which was shared with our Client for transparency and clarity.

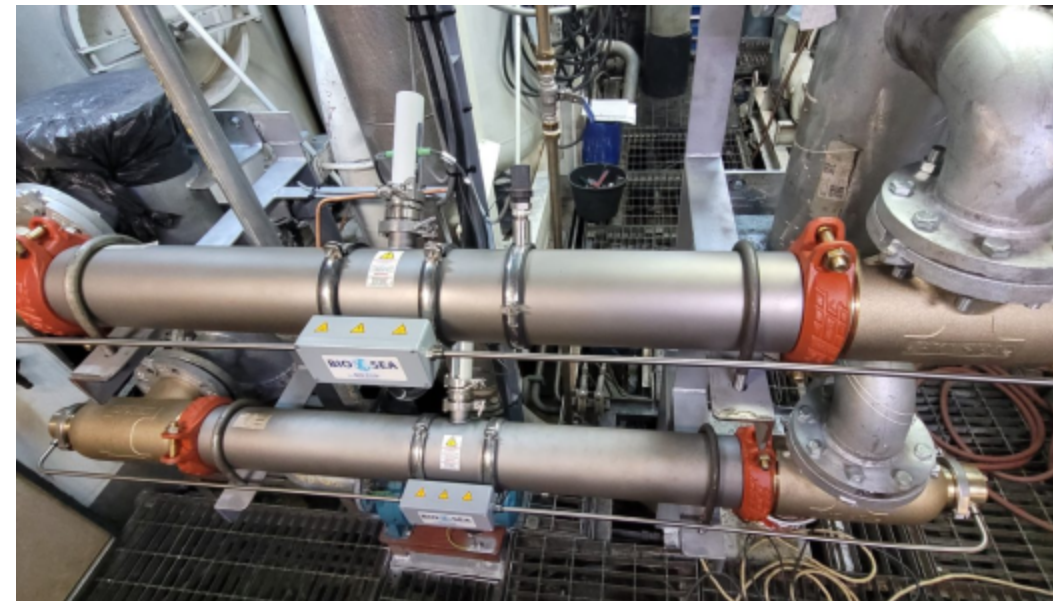
The outcomes

Final results

- Project Master Plan (PMP) • Bi-weekly inspection for prefabricates • 25 days installation during voyage • Reduced costs by 38% • Successful On-Board Installation Bourbon expresses satisfaction with the system installation, executed flawlessly within a 25-day timeframe, preserving vessel schedules and upholding (HSE). They appreciate GLO Marine's comprehensive approach and the convenience of a single point of contact throughout the project. This approach not only saved time but also reduced costs by 38% when compared to managing design and shipyard services separately.



Return pipeline from ballast water treatment system back to existing ballast system onboard without obstructing main passageway.



BIO SEA full assembly of uv chambers mounted on manifolds.



Ballast water treatment system 20 microns filter positioned with inlet and outlet pipeline installed.

GLO Marine

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