

MOORING POINTS AND HULL INSPECTION



SUCCESS CASE 50997



PROJECT OVERVIEW

Vertical Group was contracted to inspect the mooring points of a unit about to be decommissioned. The objective was to ensure that all components were in safe condition for the towing and dismantling process. Additionally, the client requested a visual inspection of the hull and the FLARE to identify potential structural anomalies.

Given the critical nature of the operation and the need for reliability in technical reports, our team applied advanced inspection methodologies, ensuring efficiency, accuracy, and safety throughout the project execution.



APPLIED SOLUTIONS

Vertical Group received a detailed inspection plan mapping all the points to be analyzed. Based on this survey, our technical team developed a strategic plan in collaboration with the activity manager, defining the best scenarios for carrying out the inspections.

The following critical components were inspected: **SMITH BRACKETS - PANAMA CHOCKS - CHAIN LOCKERS**

The inspection approach included different methodologies to maximize efficiency and minimize operational risks:

- Conventional visual inspection of mooring points, identifying light, moderate, and severe corrosion, as well as possible structural cracks.
- Use of Matrice drones for inspection of the lower and external part of the main deck, reducing activity time and providing a safer environment for inspectors.
- Visual inspection with drones across the entire hull perimeter, ensuring a detailed analysis of the vessel's structural integrity.
- Visual assessment of the FLARE, complementing the structural evaluation and identifying potential failures.

All identified anomalies were properly documented and reported in the Databook, ensuring a detailed record for the client's decision-making process.



RESULTS ACHIEVED

Vertical Group's expertise provided the client with certainty regarding the real condition of the equipment and structures involved in the decommissioning process. The main benefits delivered were:

- Enhanced operational safety, certifying the integrity of mooring points and the hull.
- Optimized inspection time, reducing the need for prolonged manual interventions and minimizing risks.
- Greater reliability in decommissioning decisions, thanks to the complete and detailed documentation of inspections.
- Innovative and efficient solution with the use of drones, enabling a comprehensive and precise view of structures, reducing operational costs, and ensuring a thorough analysis.

With this project, Vertical Group reaffirms its technical expertise and commitment to excellence, delivering intelligent and safe solutions for the challenges of the naval and offshore sectors.