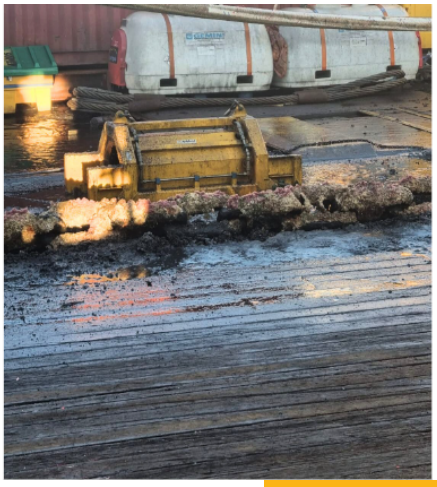
Mechanical Solutions

Location: Brazil

Case study: Fluminense FPSO Decommissioning



Overview

Ashtead Technology was approached by a major vessel provider seeking support for decommissioning activities on the FPSO Fluminense in Brazil. The project requirements included cleaning 2,900 meters of mooring chain, divided into 200m lengths on the back deck and cutting nine subsea 94mm wire ropes at a depth of 750 meters. Demonstrating our engineering expertise, Ashtead Technology's bespoke, innovative solutions were crucial in meeting the unique requirements of this project.

The project showcased Ashtead Technology's capability to deliver effective solutions in extreme offshore conditions.

Solution

To manage the topside cleaning, Ashtead Technology designed and fabricated a custom chain cleaning tool, tailored to the project's specific needs. This bespoke solution demonstrated our commitment to high standards of in-house engineering and effectively met the customer's requirements.

For the subsea cutting operations, we provided a Shear Cutter equipped with an intensifier panel and hot stabs, enabling precise cuts at 750 meters depth. This configuration ensured efficient performance under extreme conditions, showcasing our capability to deliver reliable solutions in demanding offshore environments.

Results

Ashtead Technology's tailored solution delivered exceptional results for the Fluminense project.

- Effective cleaning of 2,900 meters of mooring chain, ensuring all marine growth was removed
- Precise cutting of 94mm wire rope at 750m depth, with each cut taking approximately 30 seconds
- Operations all successfully completed in extreme offshore conditions

Ashtead Technology's successful involvement in the Fluminense project highlighted its ability to deliver specialised solutions and its commitment to excellence in complex offshore decommissioning tasks.