



CASSIA A VENT BOOM REMOVAL

For Massy Wood and BP, Conbit developed a lifting solution for the planned removal of the inclined vent boom on the Cassia-A platform in Trinidad and Tobago. The boom was to be removed in two or three sections, lowered onto a supply vessel, and subsequently disposed of.



SL900 buildup with installation tool

PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✗ CONSTRUCTION

Client

Massy Wood

Project Number
31847

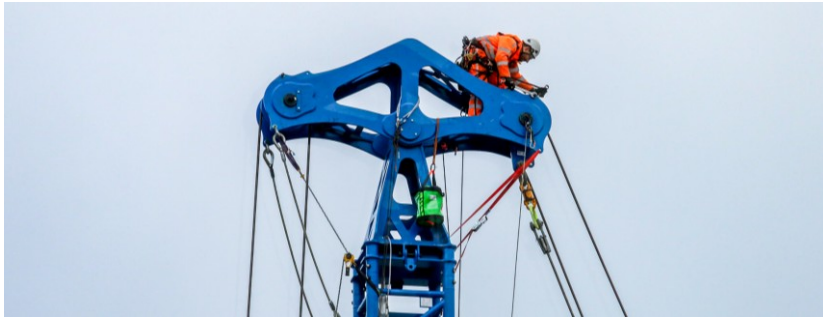
Project Name

Cassia A Vent Boom Removal

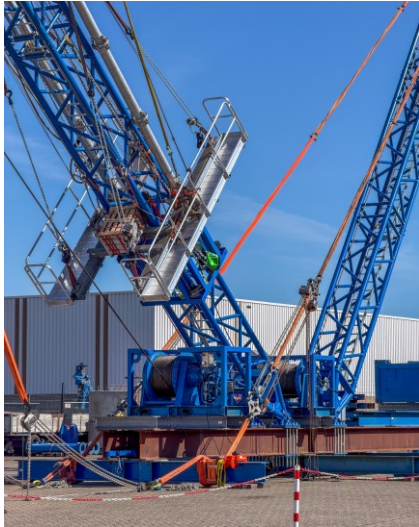


CASSIA A VENT BOOM REMOVAL

01SD176-A



SL900 tilt head installation



SL900 base frame with installation tool



Load test

CHALLENGE

The inclined geometry, limited platform access, and restricted crane capacity required a tailored lifting solution. In addition, the project had a tight schedule, requiring new equipment to be designed, fabricated, and tested within a short timeframe.

SOLUTION

Conbit developed two concepts: one using the SL500 with a gantry arrangement and one based on the SL900 modular lifting system. Following evaluation, the SL900 was selected as the preferred solution, supported by 15 mt hydraulic winches for controlled handling of the boom sections. A dedicated installation tool was also developed to allow the SL900 to continue building up beyond the reach of the platform crane. The tool was designed, fabricated, and successfully tested within the project schedule.

DEVELOPMENT & TESTING

An extended Factory Acceptance Test (FAT) was conducted with Massy Wood representatives at Conbit. The close cooperation enabled both teams to evaluate the system, resolve technical topics, and gain practical experience with the installation method.

PROJECT OUTCOME

Although the Cassia-A project was stopped after completion of the FAT, the project provided valuable experience for the further development of the SL900. The successful testing of the installation tool demonstrated the potential for the SL900 to be built up independently when conventional crane access is no longer available, supporting its future use in challenging offshore applications.