MARS CRANE CABIN REPLACEMENT

Shell USA has contracted Conbit to replace the crane cabin on the Seatrax Series 72 crane situated on their Mars platform.

This tension leg drilling and production platform is located in the Gulf of Mexico, roughly 200 km southeast of New Orleans, Louisiana.

Bird's eye view of crane

PROJECT

- [x] ENGINEERING
- [x] PROCUREMENT
- [x] INSTALLATION

Client:
Shell USA GoM

Project Number:
31641

Project Name:
Mars Crane Cabin Replacement

Shell

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MARS CRANE CABIN REPLACEMENT

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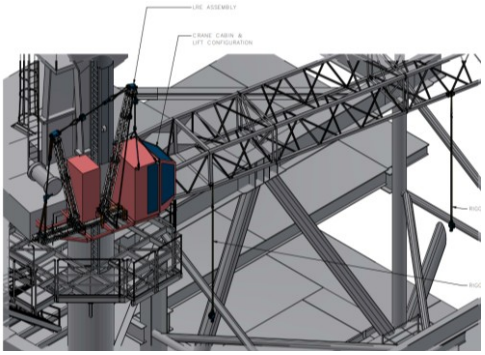
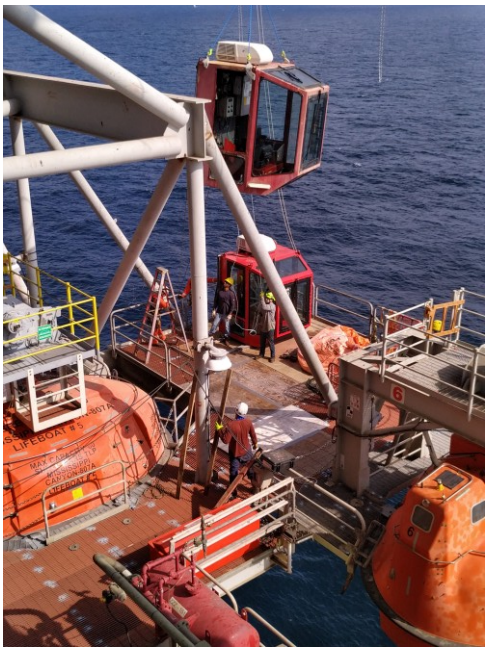


System Overview

Load test at the Conbit yard



Lifting to and from deck extension

Rope access used during lifting

Lifting operation of crane cabin

CHALLENGE

The crane cabin, weighing 3,000 lbs (approximately 1,400 kg), is positioned over 20 meters above the main deck. To lower it to the laydown area, it must be moved about 10 meters horizontally.

A regular crane cannot reach the crane cabin's location.

EQUIPMENT

Conbit employed a modular lifting system, which is manually assembled at the crane cabin access platform. This system lifts the crane cabin over the edge of the platform.

Once over the edge, the load is transferred to a lift line connected to the crane boom. Another lift line, also connected to the crane boom, is used to move the cabin horizontally until it reaches the laydown area.

CREW

A team of technicians qualified in both rope access and rigging was deployed to complete the project. The offshore work was completed in 8 days by a crew of four technicians.

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