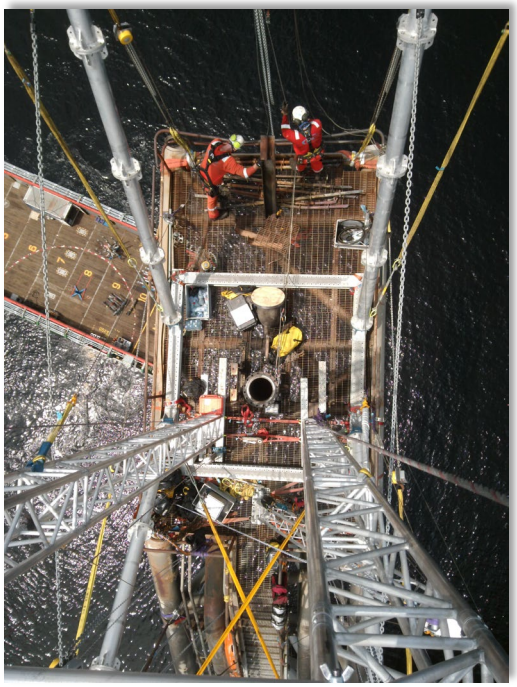
THE POWER OF PREPARATION

FLARE TIP REPLACEMENT SANHA

Conbit, together with our local partner, Interoil, was contracted by Chevron (Cagboc), to replace their LP and cold flare tips on their Sanha platform in Angola.

Our team's expertise was immediately called upon as the cold flare tip was severely damaged and required them to assess the situation and derive the best possible method to safely lift the flare tip.

From the onset, this project presented our team with some challenges, including a short shutdown duration and a limited time frame of equipment availability, as the equipment was required for another project in a few months.



Picture: Gantry lift structure on top of the flare boom

PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✓ INSTALLATION

Client
Chevron Angola

Project Number
31343

Project Name
Sanha Flare Tip Replacement

Chevron

InterOil ANGOLA

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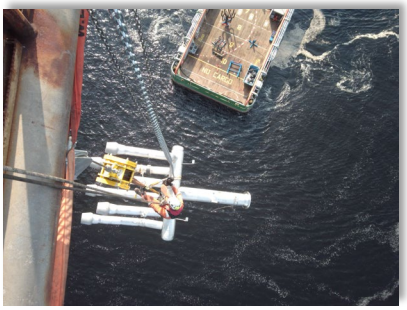
FLARE TIP REPLACEMENT SANHA ANGOLA

01SD141-A

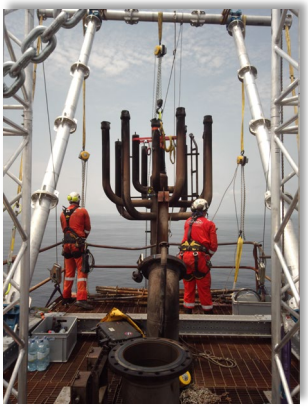
Picture: Container on the supply vessel

Picture: new flare tip in transport cradle



Picture: lifting the new cold flare tip, 1.7t

Picture: lifting the new flare tip on top of flare stack



Picture: lifting the existing LP flare tip, 1.7t

Picture: New LP flare in transport cradle, 1.9t

Picture: pre-slinged flare tip, ready for lifting

THE OPERATION

Prior to the commencement of the project - the Conbit team carried out a load test at the Conbit HQ. During the load test our lifting system lifted over 2 tonnes and lifted a flare tip on site that weighed approximately 1.80 tonnes.

The Conbit team, together with our local partner, Interoil, provided a typical yet reliable solution tailored to the client's project needs.

Our team decided to tackle this project with a solution that consisted of three separate systems, which made up one main lifting system. While building the main lifting system, all lifting activities were executed from the vessel itself – requiring extra attention and caution.

In addition to the main scope of this project, our team designed and fabricated a cradle, which will be used to store new flare tips on the deck of the supply vessel, safely and securely.

THE EQUIPMENT

The first of the three systems is the single booms (LRE). The single booms were the first pieces of equipment that were used to assemble the main system.

The second system, also known as the main system, was the gantry system. The gantry system was used to remove and install the old and new flare tips on the platform.

The third and final system was the winch. This was used mainly to lower and lift the flare tips to and from the supply vessel.

All together the equipment used, ensured that the project was completed efficiently, safely, and without complications.

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