



# ARTHIT FLARE TIP REPLACEMENT

Conbit collaborated with CR3 to take on the full scope of engineering, project preparation, and offshore execution for the flare tip replacements on the Arthit platform for PTTEP. In addition to replacing the flare tips, Conbit was also tasked with supporting a range of other maintenance activities on the flare tip platform, ensuring a seamless and coordinated operation from start to finish.



Flare tip hanging in flare tip handling system

## PROJECT

- ✕ ENGINEERING
- ✕ PROCUREMENT
- ✓ CONSTRUCTION

Client  
PTTEP

Project Number  
31219

Project Name  
Arthit Flare Tip Replacement



# ARTHIT FLARE TIP REPLACEMENT

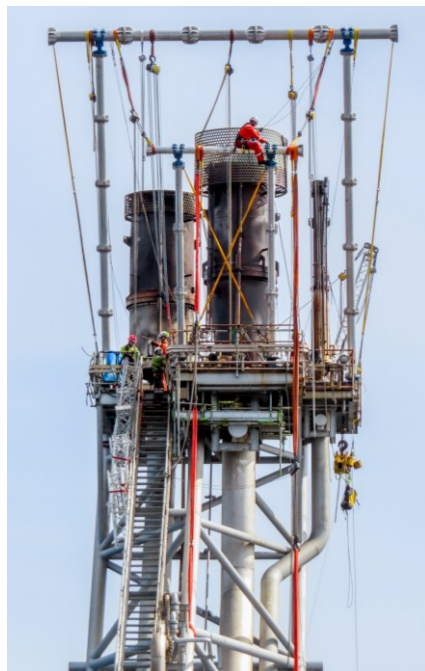
01SD158-A



*Modular lifting system to replace flare tip*



*IRATA rope access technicians*



*Modular lifting system*

## CHALLENGE

This project presented a unique challenge: managing three separate flare tips, each positioned at different locations on the deck. Two of the flare tips were constructed in two sections—a flare tip itself and a transition piece beneath it—which increased the complexity of the operation.

## THE OPERATION

In total, ten individual lifts were required to handle all components. To accommodate the spread-out positions of the flare tips, Conbit engineered a wide gantry system with a span of 9.6 meters, allowing to reach each tip efficiently without repositioning.

Another layer of difficulty came from the height of some of the flare tips. Because of their two-section design, the flare tips stood taller than usual. To safely lift all components into place, the gantry system needed a vertical reach of 9.7 meters.

The gantry system was used combined with a main winch and a service winch. Building the gantry system was done by use of the LRE1 and two times the LRE2.

Conbit and CR3 have a well-established history of successful projects together, which contributed to a smooth and efficient operation. Even with a minor weather delay, the team still managed to finish on time.



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