

One Flare Tip Handling Kit E-0675



FLARE TIP HANDLING KIT FOR NEW OFFSHORE PLATFORM

The largest flare tip manufacturer awarded Conbit an engineering contract for a flare tip handling system. The next year, this was followed by the assignment to supply the system.

Conbit believes in a mechanical method of replacing flare tips. For this method, a modular system has been designed which can be assembled on the flare tip access platform. While preparing the shutdown, a working flare tip handling system can be guaranteed as no provisions in the heat radiated zone are required.



Photo: Lightweight modular lifting configuration

PROJECT

✓ ENGINEERING

✓ PROCUREMENT

✗ INSTALLATION

Client

John Zink Hamworthy

Project Name

Wheatstone



FLARE TIP HANDLING KIT FOR NEW OFFSHORE PLATFORM

01SD003-D



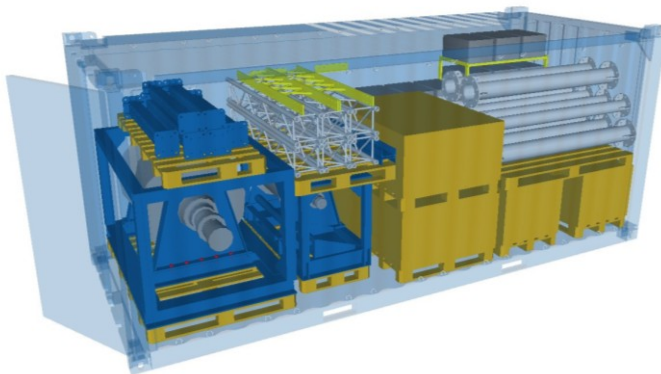
Picture: Conbit replaces Flare tips mechanically



Photo: Every component is tested separately



Photo: Packing of the components



Picture: The complete flare tip handling kit is packed in one 20"offshore container, according to client specifications

THE SYSTEM

The system is constructed from lightweight components. One of the criteria during the engineering phases of a flare tip handling system is that no components weighing more than 16 kgs must be carried by hand.

The system consists of two main components: lifting frame and lift winch(es). The winch(es) remain at deck level.

CHALLENGES DURING FLARE TIP REPLACEMENT PROJECTS

- Shutdown time should be kept to a minimum.
- The condition of top sections of the flare tower is unknown prior to the shutdown.

PROJECT PHASES

1. Engineering
2. Procurement
3. Factory Acceptance Test
4. Packing and Transport

*"CONSIDERING THE
IMPACT OF FLARE TIP
REPLACEMENT DURING
PLATFORM DESIGN MAKES
FUTURE JOBS MORE
EFFICIENT AND SAFER"*