



## DIESEL TANK REPLACEMENT

Venko Offshore awarded Conbit a contract for the offshore replacement of two diesel storage tanks on the Euro platform located in the Dutch sector of the North Sea. The tanks, nearly 35 years old, were starting to show signs of corrosion. The platform's owner, RWS (Rijkswaterstaat) decided that the tanks needed to be replaced and assigned this project to Venko.

Conbit was given the lifting part of the project because of our below-deck lifting know-how and extensive experience in offshore operations.

Each tank weighs approximately two tonnes, is 1.6 m in diameter and is 4 m long. The tanks are suspended under the Euro platform by means of two top-mounted brackets.



Picture: Preparing rigging old diesel tank

### PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✓ INSTALLATION

#### Client

Venko Offshore B.V

#### Project Name

Euro Platform diesel tank replacement

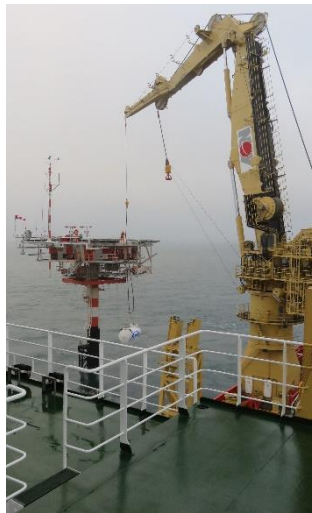


# DIESEL TANK REPLACEMENT

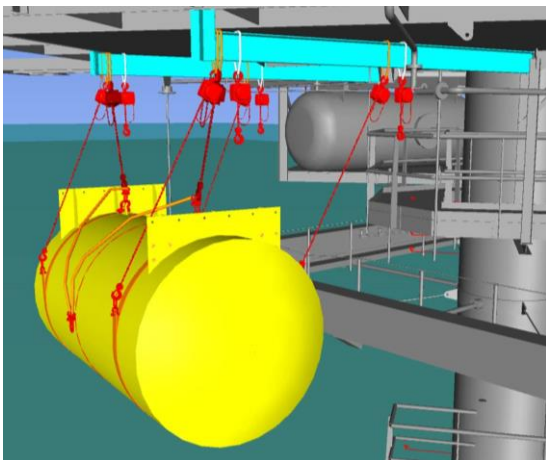
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Photo: Normand Recht with crane and walk-to-work gangway



Photos: Rigging and offshore lifting of the diesel tank



Picture: 3D project preparation

## SELECTING THE MARINE SPREAD

Executing a project in mid-winter requires a special mindset. The days are short and there is a limited weather window for executing overboard works and offshore lifting operations. Conbit analyzed various options to advise the client optimally. In consultation with the client, the best mix between costs, availability and operational suitability was chosen. This resulted in choosing the DP2 crane vessel the Normand Reach.

## LIFT PROCEDURE

Conbit designed a procedure involving a series of rigging and lifting handovers using several different sling configurations to move the tanks from their suspended position under the platform onto the supply vessel. The new replacement tanks were moved in the opposite direction. The most critical step in the whole operation was the hand-over of the suspended tanks to the offshore crane. The same was true of the reverse procedure with the new tanks.

## WINTER WHEATER

The North Sea is infamous for its rough winters, the challenging weather was our main focus during project preparation. The most weather-dependent activity was the hand-over between the platform and the vessel. We arranged all the steps and equipment in such a way that the two tanks could be replaced in series or in parallel (i.e. simultaneously). Thus, we could optimize the offshore planning to the weather forecast at the time of project execution.

**"OFFSHORE LIFTING  
OPERATIONS REQUIRE  
EXTENSIVE JOB  
PREPARATIONS AND FIELD  
EXPERIENCE TO SUCCEED"**