

# WEST FRANKLIN – ELGIN B



*Owner:* TOTAL  
*Client:* ROSETTI MARINO  
*Country:* North Sea - British Sector  
*Period:* 2011-2013  
*TECON SOW:* Detail design of n° 2 topsides + bridge



## **Work Description**

West Franklin and Elgin B platforms are installed in a water depth of about 90.0 m.

The bridge connects Elgin B platform to Elgin A platform. It is a tubular frame steel structure 96.0m long with a triangular section of 5.0m x 5.0m (W x H).

The West Franklin Topside is a four leg steel frame structure arranged in a 22.5m x 22.5m square array with n. 4 longitudinal trusses connected by n. 4 transverse trusses.

The Topside comprises 3 main decks plus an ESDV Deck with the main dimensions of 35.5 m x 35.9 m. The helideck completes the Deck layout.

The decks house the wells (12 slots), the process facilities, the utilities (methanol and wash water), the HIPS and cold vent, an accommodation facility (TR), a Local Equipment Room (LER), a lifeboat and a platform crane.

The Elgin B Topsides has a layout similar to West Franklin with the main dimensions of 30.0 m x 30.0 m.

The decks will house the wells (9 slots), the process facilities, the utilities (liquid hold-up system and wash water), a technical building, a lifeboat, the sliding end of ELA-ELB bridge and a platform crane.

## **TECON Services:**

- Basic and detailed design of the two platform topsides and connecting bridge
- Specifications for execution of works.