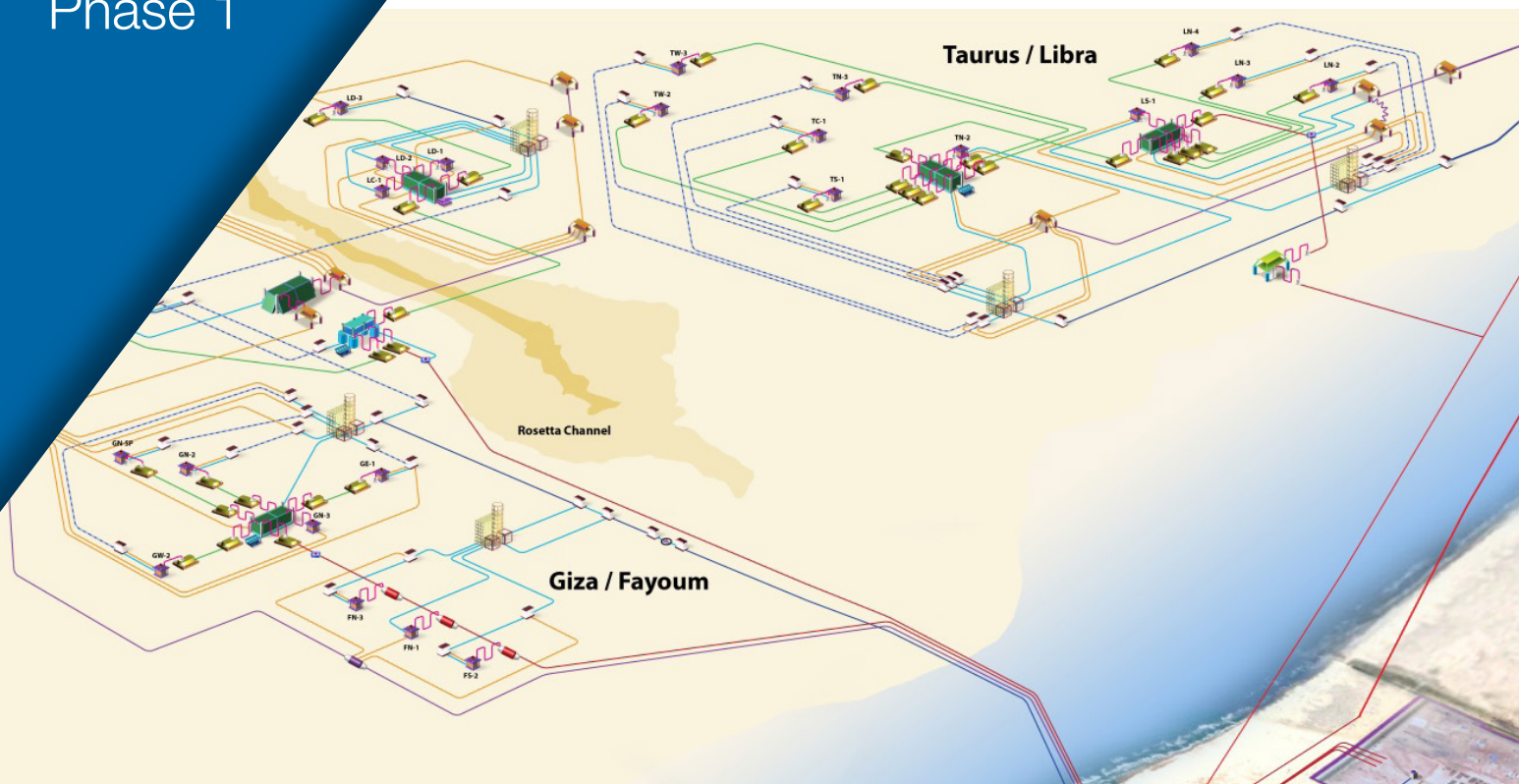


BP WEST NILE DELTA Phase 1

subsea 7



The West Nile Delta (WND) Gas Development will develop a series of gas condensate fields, offshore the north coast of the Arab Republic of Egypt. The 1st phase, Taurus & Libra, consists of a 9 well tie-back to the existing Burullus facilities.

The Subsea 7 work scope involves the design, procurement, fabrication, installation, pre-commissioning and support to commissioning of subsea and topsides facilities in up to 600m water depth.

BP West Nile Delta phase 1 (Taurus & Libra)

Project

West Nile Delta
phase 1
(Taurus & Libra)

Client

BP Exploration (Delta)
Limited (Greenfield
workscape) and
Burullus Gas
Company (Brownfield
workscape)

Location

Mediterranean Sea,
offshore the north
coast of Egypt

Water depth

70 - 600m

Project Type

SURF + topsides
hook-up - EPCI

Date Awarded

July 2015 (BP
Greenfield contract),
December 2015
(Burullus Brownfield
contract)

Date Completed

Ongoing

Vessels Utilised/ Spoolbases

Seven Borealis
Seven Arctic
Seven Falcon
Simar Esperança
Rockwater 2

Overview

The urgent need for gas for domestic consumption in Egypt led BP to work with Subsea 7 in a concept definition phase to enable the project to achieve first gas a year early. Field optimisation around Subsea 7's execution plan was achieved very early in the project, allowing preparation for the execution phase (including engineering and procurement activities) to be performed in parallel to facilitate a quick and efficient transition into EPCI delivery following award. This approach will result in a typical 3 year major project execute lifecycle being reduced to 2 years.

EPCI scope:

- Design, fabrication and installation of 80 km of 24" and 4" rigid flowlines
- Design, procurement, fabrication and installation of 3 x 24" PLETs and 4 x 4" PLETs, 2 x SDA mudmats, 3 x UTAs, 4 x 24" spools and 1 x 36" spool
- Design, procurement, fabrication and installation of a control platform extension
- Design, procurement, fabrication and installation of 24 km of 8" flexible flowlines and 1 km of 4" flexible jumpers
- Installation of Company Provided Items: 3 manifolds c/w suction piles, 76 km of umbilicals and a large quantity of hydraulic/MEG flying leads
- Umbilical and MEG lines trenching and rock dumping
- Existing pipe and umbilical crossings
- Pre-commissioning and 24" line dewatering
- Subsea and topsides commissioning support.

The project is managed from the Subsea 7 London office, with support from: the Paris office for pipeline, flexible and topsides engineering; the Lisbon office for platform extension engineering and; Stavanger for GRP structure engineering.

Procurement activities were conducted on the international market with fabrication of permanent works awarded to Petrojet Maadia (subsea structures, platform extension and spools) and to Petrojet Port Said yard (pipe coating), both having a long and successful history on Egyptian oil and gas projects.

With Taurus & Libra and expected increased activities in Egypt, Subsea 7 has grown its presence in Egypt with a fully-manned project support office in Cairo, a logistics office in Alexandria and operational teams assigned to various worksites such as Abu Qir, Maadia, Port Said and Damietta, all integrating a large number of Egyptian Nationals.



24" PLET installation from Seven Borealis – 3D



Fabrications at Petrojet Maadia



4 inch PLET mudmat being turned over