

MEXICO

PEMEX - AKAL

EPCI

FIRST EPCI IN THE BAY OF CAMPECHE

The Cantarell field complex is the second largest producing oil field in Mexico and one of the largest in the world. Located 80km offshore in the Bay of Campeche – Gulf of Mexico, the Cantarell complex comprises four major fields: Akal (by far the largest), Nohoch, Chac and Kutz. The Telford 34 was called on a large EPCI project on this famous brownfield development by Pemex, the Mexican state-owned petroleum company.

PEMEX - AKAL



Over the year 2013, the Telford 34 executed the brownfield AKAL project for Pemex in the Bay of Campeche, Gulf of Mexico. This EPCI project incorporated the engineering, procurement, construction and installation of pipelines between the AKAL platforms CI-E-N-L, and the required platform extensions on all topsides facilities.



The scope included:

- Rigid Pipelay Akal 529-12 - Installation of 3 x 24 inch Pipelines;
- Topsides brownfield modification programme utilizing the large accommodation capacity of the Telford 34 (ex Jascon 34);

- Provision of Onshore Fabrication elements and Logistics.

Project information

The project was executed in partnership with Tradeco, a privately owned Mexican civil and construction company, and included the fabrication of the platform extensions, spool pieces and other structural elements at the onshore fabrication facilities at Ciudad Del Carmen. A logistic office was set up at Ciudad del Carmen for the execution of the project.

Engineering works included the installation engineering of the pipelines, spool pieces, platform extensions and integration of the E&I work into the existing platform systems.

PROJECT OVERVIEW

CLIENT
Pemex/Tradeco

PROJECT
Akal

LOCATION
Gulf of Mexico

PROJECT TYPE
Pipelay and Construction (EPCI)

CONTRACT PERIOD
2013 - 2014

VESSEL
TELFORD 34





Procurement was quite significant in relation to the overall execution schedule of the project and the critical lead-times. The lead-time on the pipeline materials, control valves, pig- launcher etc. was crucial to maintain the overall project schedule. The Telford 34, transferred from West Africa to the Gulf of Mexico, was employed on the project both for the pipelay as well as for the construction works.

The platform extensions were fabricated and installed after which the rigid pipelines were installed and tied-in simultaneously with the installation of the additional topside equipment. The integration of the 'new' facilities with the existing platform systems was completed and pre-commissioned.

The offshore campaign was completed in February 2014.

KEY FIGURES

Pipelines laid were as follows:

Akal-CI/Akal-E

24"Ø x 1.15 Km

Akal-E/Akal-N

24"Ø x 2.60 Km

Akal-N/Akal-L

24"Ø x 2.80 Km

Number of spools

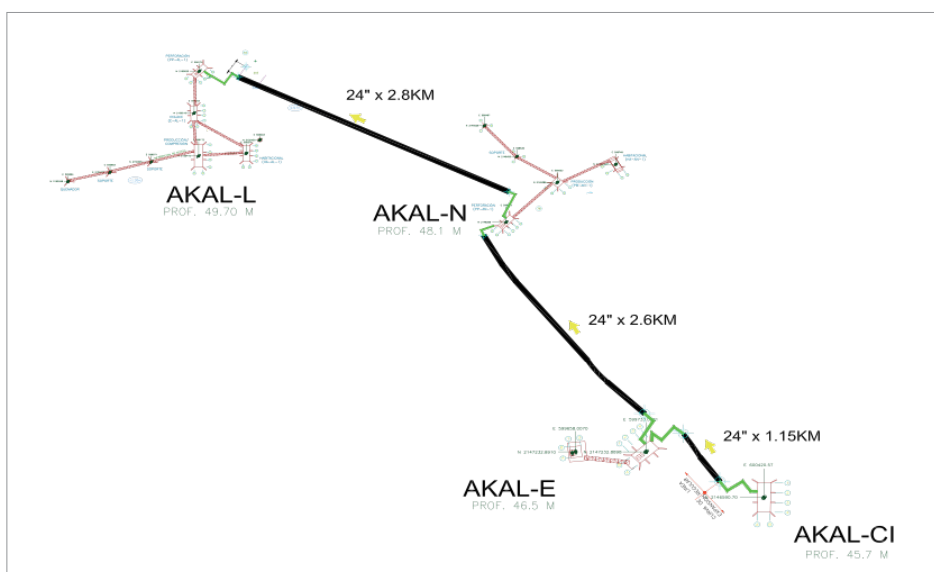
6

Platform extensions

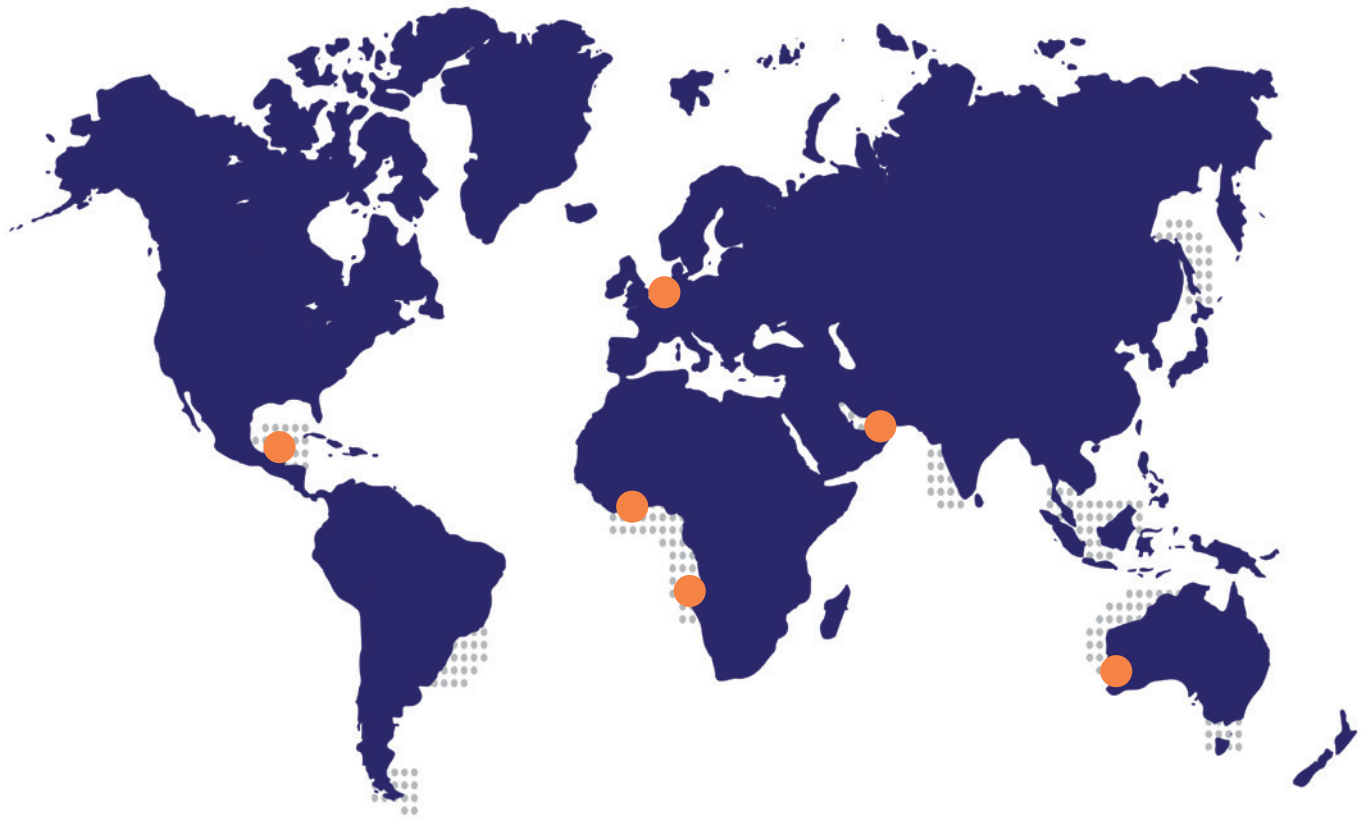
5, total weight 20 mT

Cable (E&I)

5 km



LOCATIONS - OPERATIONS



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Latin America

Mexico

Calle 35 D, Suite 10
Col Malibran, 24197
Cuidad del Carmen, Campeche
Mexico
Tel: +52 (1) 5564 151 719 (Mexico)
+54 (9) 11 2790 2463 (Argentina)

Europe

The Netherlands

Maxwellstraat 2
3316 GP Dordrecht
The Netherlands
Tel: +31 78 6526 930

West Africa

Angola

Condominio Mares do Sul
Casa no. A07
Talatona - Benfica
Luanda
Angola
Tel: +244 923 522175

Ghana

PMB CT 68
Cantonments
Accra
Ghana
Tel: +233 203 654 079
+233 544 312 460

Middle East

UAE - Dubai Headquarters

Telford Offshore Ltd
Reef Tower, Floor 31
P.O. Box 5003365
Jumeirah Lakes Towers
Dubai, United Arab Emirates
Tel: +971 4 350 7600

Asia-Pacific

Australia

77 St Georges Terrace, Level 24
Perth WA 6000
Australia
Tel: +61 8 9218 5888

contact@telfordoffshore.com