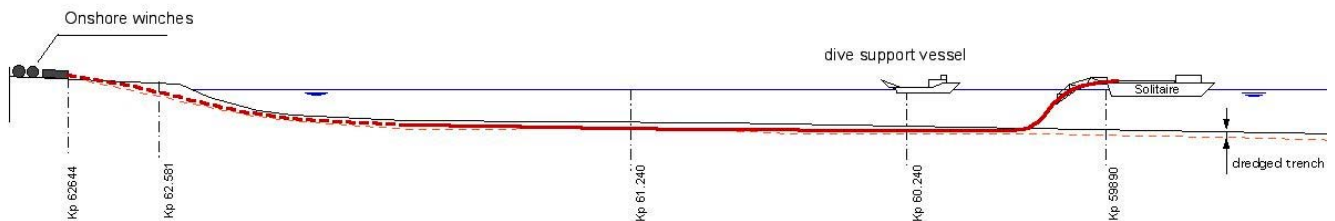


Project engineering for Bombax pipeline project Trinidad



The Bombax pipeline project comprised the installation of a 62 km long, 48” diameter steel pipeline with concrete coating for the transport of natural gas between the Cassia B offshore platform and the onshore Beachfield Facility on the island of Trinidad in the Caribbean Sea. Allseas Deepwater by, the contracting department of Allseas Group S.A., obtained the main-contract from BP Energy Company Trinidad and Tobago LLC and installed the pipeline with their pipe lay vessel “Solitaire”.

A subcontract was let by Allseas for the landfall works, consisting of the dredging of a 5.4 km long trench, the construction of a cofferdam with steel sheet piles through the surf zone and dry excavations inside the cofferdam and the trench onshore. A total quantity of 325,000 m³ was dredged in coral, dense silty and clayey fine sand and outcrops of hard clay and coral heads by a self propelled heavy cutter suction dredge. The maintenance and backfilling was done by a trailing suction hopper dredge. Under the same subcontract the first part of the pipeline was pulled in from offshore to the tie-in point onshore over a length of 2.7 km by means of two continuous pull linear winches on the beach and additional temporary floatation on the pipeline.

DEMAs dredging consultants bv provided the Allseas project management with engineering assistance for the landfall part with special attention to the dredging and backfilling of the trench, including survey, the pull-in operation and the diving works during the pull-in.

Client

Allseas Group S.A.

Location

The Netherlands, Delft

Year

2002

Services

- project engineering
- technical assistance

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