

Laying & Burial

2008

PERENCO RDC project (power cable)

The aim of the PERENCO RDC project for MIOC was the installation (laying and burial) of 22 km of 36 kv power cable between the shore and platforms of RDC oil field. The RDC field is characterized by a strong sustained current (up to 5 kts), long swell and shallow water (ranging from 4 to 35 m).

In addition of the Power Cable Installation, operating of the barge and AHT for lifting operations and pipe laying (Zap-Lock System) of 6, 8, 10 and 12" lines has been conducted.

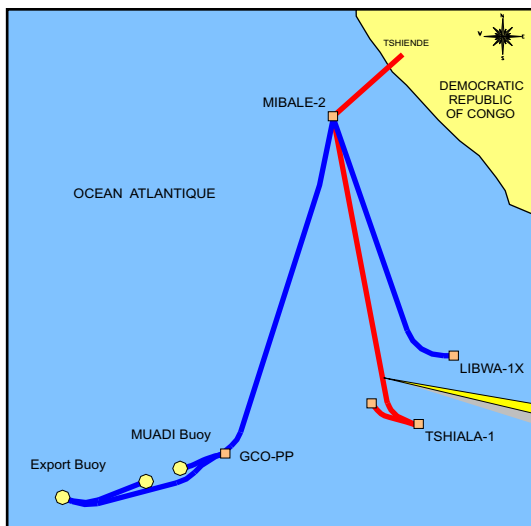
Scope of work was :

- Mobilisation onboard the barge OSLO in Dunkirk and Muanda (Banana Port) of all necessary cable laying equipment: cable tank, cable way, LCE, cable chute ...
- Mobilisation of one suitable AHT to work in such area
- Cable transfer in Muanda/Perenco facilities
- Laying and burial of the cables between platforms: total 20400 m horizontal length with 1 shore landing and 7 J-tube pull-in.

The installation spread was supported by:

- OSLO barge (76 x 22 m) fitted with:
 - Accommodation unit for 40 pax
 - 8 x 30 tons and 1x 75 tons mooring winches
 - cable tank , LCE
 - cable way and cable chute
 - TJV jetting spread
 - 250 tons crawler crane
- NOVA K AHT
(30 tons bollard pull capacity multicat)

Schedule : Dec 2007 to April 2008



36 kV cable	
Length :	1 x 13.5 km and 1 x 8.5 km
Ø Ext. :	95.7 mm
Weight in air :	14.3 kg / m
MBR during installation :	1.90 m
MBR storage / installed :	2.25 m

Submarine Cable Installation

Etablissement de Marseille

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