

## Shore Ends Installation

2011

### WACS project ( fibre optic cable )

LD TRAVOCEAN 's scope of work was to install, protect and bury 3 WACS project fibre optic cables. The project consisted in 2 separate shore end landings in Muanda (Congo Kinshasa) and Matombi (Congo Brazzaville) and 1 direct shore end in Cabo Ledo (Angola).

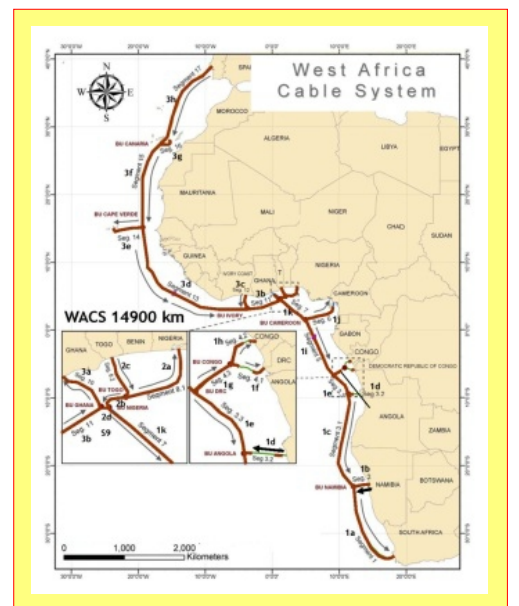
LD TRAVOCEAN provide the following services :

- Engineering and project management
- Reporting and documentation
- Pre-offshore operations :
  - Pre-mobilisation engineering activity
  - Vessel mobilisation in Pointe Noire, Congo Brazzaville
- Offshore operations :
  - Load the 38 km of fibre optic cable length in Pointe Noire
  - Transit to Muanda (Congo Kinshasa), complete calibrations and checks
  - Complete installation, protection and trenching operations in Muanda
  - Transit vessel back to Pointe Noire (Congo Brazzaville)
  - Transit to offshore site, complete calibrations and checks
  - Complete installation, protection and trenching operations in Matombi
  - Transit vessel back to Pointe Noire and demobilize spread
- Post-offshore operations :
  - Prepare and submit " as-built " report

To perform this operation the following equipments were dispatched to PNR and were mobilized on DP2 barge locally :

- 6 mooring winches
- launch and recovery system
- TJV05, jetting towed sledge
- diving spread
- shallow water spread

Schedule : January to June 2011



**Submarine  
Cable  
Installation**

Etablissement de Marseille

Le Mistral C - Z.A. Athélia IV  
375, avenue du Mistral - CS 60136  
13703 La Ciotat Cedex ( France )

Tel. +33 (0)4 42 18 34 00  
Fax. +33 (0)4 42 70 46 64  
E-mail: ldtravocean@ldtravocean.com