

## Shore Ends Installation

2001

### SAT 3 / WASCS project ( Cameroon - Gabon )

The purpose of this operation was to lay and bury Douala shore end and to surface-lay Libreville shore end of SAT3 / Western Africa Submarine Cable System (WASCS) linking South Africa, Angola, Gabon, Cameroon, Nigeria, Benin, Ghana, Ivory Coast, Senegal, Gran Canaria, Spain and Portugal.

For these separate landings, LD TRAVOCEAN has used a specific cable laying spread dedicated to the Douala and Libreville shore ends operations.

- Very shallow draft barge, less than 1.5 m draft fully loaded (PONTRA MARIS barge + ADAD Tug + Anchor Handling Vessel Neptun 6).
- 6 mooring point system to move on anchors properly in the river (current up to 3 knots) and lay a total length of 79 km of fibre-optic cable.
- ESV12, powerful vibrating plough to bury at 2 m in the bed of the river.
- TJV05, jetting sledge used as a back up of the vibrating plough.
- Shallow burial spread including jetting sledge TJV04 for burial of the cable in a very shallow water depth area in Douala between the Low Water Mark and KP 1.4



### Submarine Cable Installation

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CHARACTERISTICS OF THE SHORE END

Location	Cable Length	Burial Length	Burial depth	Water depth	Protection
Douala Cameroon	56 km	56 km	2.0 m	20 m	1 km artie pipe
Libreville Gabon	23 km	1 km	0.8 m	20 m	1 km artie pipe

