

## Laying & Burial

2003

### Khafji Joint Operation ( Installation of 40 kV submarine cable )

This project covers the marine operations carried out by LD TRAVOCEAN, for the laying and burial of 40 km of Al Khafji submarine 40 kV cable in Saudi Arabia during August and September 2003 ( cable characteristics :  $\varnothing$  146 mm, 54 kg/m in air )

LD TRAVOCEAN has used a specific cable laying spread dedicated to shallow water (30 m) area and encountered hard soil conditions up to 6 MPa :

- Shallow draft DP 2 vessel Miss Marie, able to load 2 000 t of cable on deck
- Anchor handling tug Manta Ann
- TM03 Trencher

The operations started with the mobilisation of vessel Miss Marie in Abu Dhabi, UEA, in June 2003, before transiting to Djebel Ali ( UAE ) to load 41.4 kilometres of cable. After 5 day of loading, Miss Marie transited to Khafji ( Saudi Arabia ), arriving in August 2003.

After clearing into Saudi Arabia waters, the cable was landed ashore in Al Khafji, and the cable was laid and buried towards the Offshore platform ( namely UTP ). The cable was finally laid down in front of the UTP location in September 2003.



### Submarine Cable Installation

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