

Remedial Work

2001

ULYSSES 1 project

5.1 km section of Ulysses 1 South F.O.cable

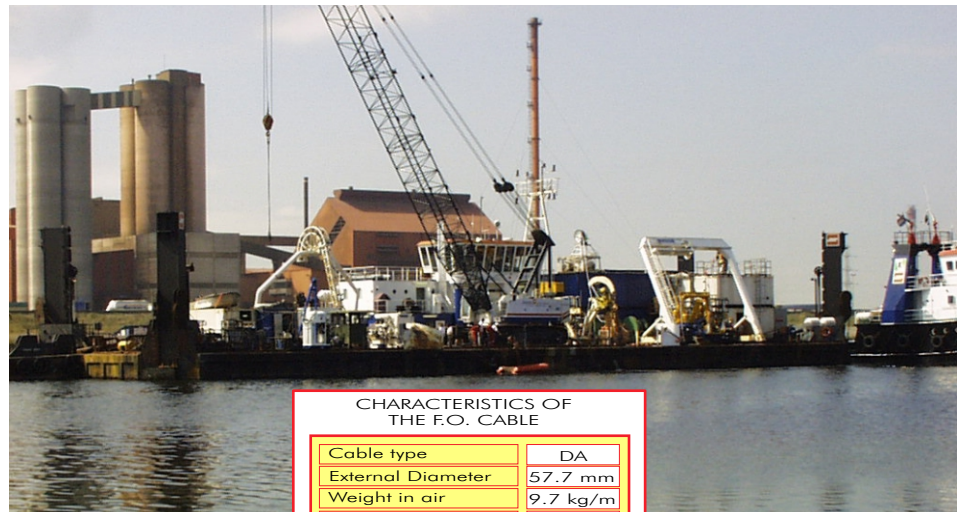
The operation was located 12 km offshore from Calais (France) in 15 to 30 m water depth and the objective was to cut and recover the damaged section, splice the new cable and simultaneous lay and bury it to 2 m.

For this work, LD TRAVOCEAN proposed a specific cable laying spread dedicated to this operation :

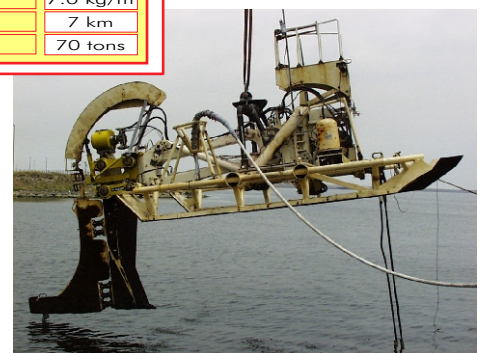
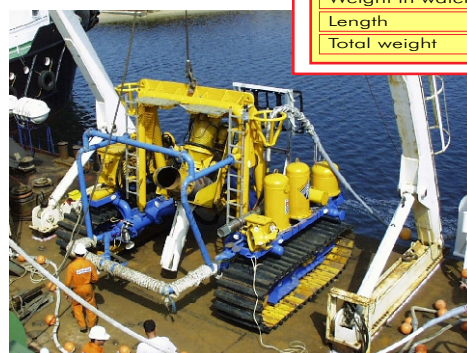
- Working barge, tug and associated anchor handling vessel
- 8 mooring point system to move on anchors properly in this high current area
- ESV 12, powerfull vibrating plough to bury at 2 m
- MED 1, crawler vehicle fitted with suction pump and cable detector system TSS 340

The scope of work included the following main services :

- Use of a freighter for the transfer of cable between Portland (UK) to Dunkirk (France)
- Storage of the cable on a 6 m Ø drum in LD TRAVOCEAN technical base in Dunkirk
- Transfer of the cable on the working barge
- Mobilisation/demobilisation of the FETSY L barge fitted with cable tanks, laying system, ESV 12, MED 1, and diving spread, in Dunkirk
- Loading of the cable in Dunkirk
- Sail to site
- Cut and recover existing cable
- Lay and bury simultaneously 5.1 km of DA cable using vibrating plough ESV 12
- Post burial of the initial and final splices using a specific crawler vehicle MED 1
- Unload existing and spare cable in Dunkirk
- Provision of a complete final report



CHARACTERISTICS OF THE F.O. CABLE	
Cable type	DA
External Diameter	57.7 mm
Weight in air	9.7 kg/m
Weight in water	7.0 kg/m
Length	7 km
Total weight	70 tons



Submarine Cable Installation

Etablissement de Marseille

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