

## Laying & Burial

2012

### E.D.F. Paimpol-Bréhat project ( power cable )

EDF is developing a tidal generation project located 16 km offshore NE of Paimpol, France. The project will initially comprise 4 seabed tidal turbines and a seabed offshore substation containing an AC/DC converter module. The turbines/converter will be locally interconnected by secondary umbilicals. A main cable totalling 16 km will export power from the converter module to the shore, making landfall in the "Anse de Launay" and connecting to a converter/substation 120 m inland of the High Water Mark.



LD TRAVOCEAN has been awarded by EDF of the contract for the installation of the main DC cable, and has proposed a specific lay and burial spread dedicated to the shallow water area and high current working zone. Cable protection has been done with the burial on the 1st 5 km and Articulated Pipes protection installation on 10 km taking into account the specific soil conditions of the area which is crossing several types of seabed.



LD TRAVOCEAN has performed and completed the following activities :

- Overall project management as required for execution of the work
- Engineering studies and spread preparation
- Provide suitable naval supports for cable installation (Main Lay Barge with associated shallow draft Multi Purpose Vessel and Tug Boat for towing and anchor handling purpose)
- Provide the TM03 trenching spread including trencher, control room, workshop, rigging and spare parts containers, with 30 tons Launch And Recovery System
- Provide the cable laying system installed onboard Main Lay Barge : two Linear Cable Engine with control cabin, deck rollers, cable gantry and cable chute
- Design and mobilization of articulated pipes installation line onboard the barge
- Cable loading from factory and transport
- Cable lay and burial along the route including shore pull and final cable end abandon



Schedule : June - July 2012

### 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