

Export Cable Stabilisation

Paimpol-Bréhat Tidal Power Plant

OFFSHORE & INSHORE DIVING SERVICES TO PUBLIC, PRIVATE, FRAMEWORK AND ENERGY CLIENTS WITHIN THE INSHORE/INLAND, MARINE RENEWABLES & OIL & GAS SECTOR



Date:

June 2013

Programme Duration:

54 Days

Project Number:

312023

Client:

Electricite de France

Principal Contractor:

Electricite de France

Overview:

Red7 was contracted by Electricite de France (EDF) to perform stabilisation works on the export cable installed to deliver power from the Paimpol-Bréhat Tidal Power Plant off the coast of Brittany, France. The work included the installation of 121 concrete mattresses, cable realignment and grout bagging of cable free-spans.

Description:

The Red7 used the DP Reel to perform the varied scope of work in challenging tidal conditions. Air diving intervention was utilised to carry out cable realignment operations using lift bags and subsea rigging at 14 locations, along with the installation of 1100 grout bags across 29 locations. During the project a total of 127 air dives were conducted safely without incident. Concrete mattresses were installed using Red7 hydraulic release deployment frame equipped with subsea cameras to aid mattress positioning. All 121 concrete mattresses were installed within a tolerance of 0.5m either side of the cables center line. An ROV package was also used onboard to carry out mattress installation, pre and post lay surveys.