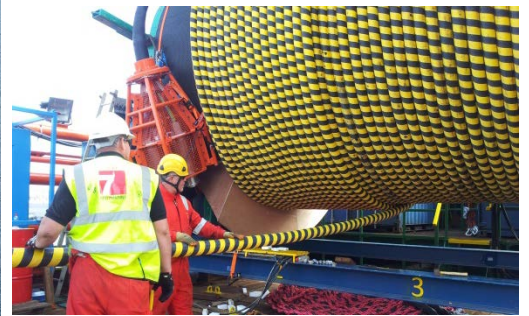


Export Cable Installation

Biscay Marine Energy Platform

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



Date:

September 2013

Programme Duration:

24 Days

Project Number:

312046

Client:

Elecnor

Principal Contractor:

Ente Vasco de la Energía (EVE)

Overview:

Red7 was contracted by Elecnor Infraestructuras to install four export cables as part of the Biscay Marine Energy Platform development (BiMEP), a wave energy device test site in northern Spain. The 15kV composite armoured export cables ranged in length from 3.3 to 5.8km, weighed 25.5 kg/m and were laid in water depths ranging from 15m to 100m.

Description:

The Red7 owned DP2 vessel 'DP Reel' was mobilised with a full cable lay spread including a cable reel, tensioner, stern chute and SeaVex cable burial tool in order to perform the scope of work. An ROV system was used to provide touchdown monitoring throughout each of the cable lay operations.

A Red7 onshore team managed the four cable shore end landing operations which involved pull-in through pre-installed 500m HDD ducts. The cable fibre-optics were tested in real-time during laying and successfully HV tested upon completion. The offshore cable ends were terminated with specialist subsea connectors and deployed to the seabed with a bespoke mooring arrangement to aid future recovery for the connection of wave devices and potentially floating WTGs.