



SEA TC

DEVELOPING AN UNDERWATER ENERGY TRANSFER SYSTEM SUITABLE FOR MRE

The power transfer system for a submerged MRE turbine comprises a set of electrical power components with a transformer, integrated into a watertight caisson, and an underwater connector.

The SeaTC project aims to develop a technological solution capable of industrial-scale production, based on an underwater electric connection with a dual function – step-up function and contactless connection – suitable for MRE conditions and wind and wave turbine unitary power.

This new system, optimised for the marine environment and MRE environmental conditions, is intended to reduce connection/disconnection costs and increase weather windows.

Partners

Companies

M'Prime Energy/M'Prime Innovation,
Paris [[Project Developer](#)]
Activetech, Caen
Corrodys, Cherbourg-Octeville
DCNS, Issy-les-Moulineaux

Research center

G2ELab, Grenoble

Funder

Ademe

Labelisation

14/03/2014

Overall budget

3790 K€