

# Case Study: Yeu-Noirmoutier Connection

## 1.0 Facts

### Client:

RTE - Réseau de Transport d'Électricité, France

### Location:

Yeu-Noirmoutier Connection, France

### Category:

Pre-Construction Engineering - Risk Based Studies,  
Design and Analysis

### Facts:

Horizontal Directional Drilling (HDD) Feasibility Study

### Duration:

Confidential

### Completion Date:

2015

## 2.0 Introduction

An offshore wind farm is planned between the islands Yeu and Noirmoutier. For the export power cables various landfall locations have been considered and the preferred location is subject of this further study.

## 3.0 Summary

The provision of HDD (Horizontal Directional Drilling) engineering expertise.

## 4.0 Scope of Work

Primo Marine completed a study to assess the feasibility, or unfeasibility, to perform a HDD crossing as part of the submarine export power cables connection for the Yeu-Noirmoutier Offshore Wind Farm (OWF) performed by RTE.

The study comprised of :

- Assessment of all provided geotechnical data.
- Assessment of landfall topography and tidal data.
- Design of a practical longitudinal profile.
- Description of all equipment and site lay-out.
- Recommendation of locations for entry and exit points.
- Methodology statement and time schedule.
- Environmental considerations regarding use and possible release of drilling fluids.

## 5.0 Highlights

Working in close cooperation with RTE - Réseau de Transport d'Électricité, Primo Marine completed the study on time, within quotation and to their satisfaction, leading to a further advisory scopes being awarded.

