ONSHORE & OFFSHORE

Engineering and Management of Subsea Cables and Pipelines



Expertise





Practical Experience





INTRODUCTION

Established in 1997, Primo Marine is an independent specialist with a wealth of experience in subsea cable engineering, from landfalls to subsea marine infrastructures.

COMPREHENSIVE SERVICE PORTFOLIO

The provision of a full spectrum of onshore and offshore services/capabilities covering all phases of a project:

- Engineering (Pre-Construction and Installation)
- Project Management
- QHSE Management
- Offshore Services Operations & Maintenance, Client Representation & Construction Support
- Business Continuity & Emergency Response
- Tendering, Contractual, Procurement & Financial Support



CABLE INSTALLATION AND PROTECTION – CAPEX/OPEX

To ensure effective cable installation and protection, our focus is on careful **examination** of the sea bed, with comparison of both the project execution and the operation & maintenance phases - often leading to alternative solutions.

We create solutions focusing firmly on providing realistic CAPEX/OPEX comparisons. especially in terms of ensuring **correct cable** installation management and protection to the cable by effective route engineering & burial throughout the cable's lifetime.

With more focus during project preparation and/or execution phases, costs and risks over the lifetime of the cable are minimized considerably, especially to achieve project cost saving targets.

INTERESTED IN FINDING OUT MORE...PLEASE CONTACT US.

DEEPER BURIAL

The solution of deeper burial has overcome challenges such as mobile sea-beds, permitting and authorities. whilst avoiding exposed cables and reducing maintenance requirements over the cable's lifetime..... thus saving € m's.

PERMITTING & AUTHORITIES

Experience, knowledge and relationships (based upon our independent status) to interface with authorities and ensure agreements and flexibility...providing confidence in the offshore construction schedules.... thus saving € m's.

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MICRO-RE-ROUTING OF CABLES

Micro re-routing to **improve** cable installation i.e. crossing angles and to **avoid** difficult conditions i.e boulders, steep slopes and **overcome** obstacles i.e. UneXploded Ordnance (UXO).....reducing the risk of increased installation schedules....thus saving € m's.

PRE-SWEEPING

Extensive solutions for pre-Sweeping and seabed preparation, especially to **overcome** challenges such as mobile sand waves.....to ensure effective burial and reduce maintenance campaigns over the cable's lifetime.....thus saving € m's.

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CABLE BURIAL RISK ASSESSMENTS

The determination of **how deep to bury....**overcomes challenging issues ranging from soils
such as non-cohesive, cable management,
cable damage, scheduling and permitting issues
(negotiating with authorities) to effective risk based
burial over the cable's lifetime.... thus saving € m's.

BURIAL & TRENCHER ASSESSMENTS

The determination of **how to bury**.....correct penetration and performance.....ensures offshore **schedules** and avoids the cost of failed permits, additional burial and maintenance. Plus the overcoming of contractual challenges i.e claims for increased offshore durations and additional passes....thus saving € m's.

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