

**Dear Offshore Professional,**

We are returning from the hot season of the year, referring to temperatures...

Firstly we are extremely proud to inform you of a major award from Energinet and National Grid for the Viking Link Interconnector. The scope is to provide all cable burial and risk assessments, as well as offshore installation and a burial specialist. The Viking Link Interconnector is of approximately 635 km's length, linking Denmark to the UK. The work has recently commenced and we will certainly revert on several occasions.

Further below we cover scopes recently completed: a Cable Emergency Response Manual, Client Representation & Marine Coordination and Tender Management & Client Representation.

As a starter, we go back to weather. More precisely in regard to the two largest project risks, being weather and soil. Often leading to contractual uncertainties and as a consequence to possible contractual disputes. See below.

As always, please enjoy reading! And please share your thoughts and views with us!

**Your Primo Marine Team**

Rotterdam, August 2016



**Weather and Soil Risks on Installation Projects – Avoiding Contractual Disputes**

We always state, "a good project starts with a good contract". This means it is all about the preparation – the assessment – BEFORE all the offshore work starts. Next to technical and organizational challenges there are weather and soil risks. Who assumes the risk in the event of weather turns leading to costly delays to offshore works? Same for the soil... who assumes the risk for adverse soil conditions? Therefore it is important to verify whether marine installation equipment adheres to contractual requirements. This is explained in more depth, [please go to...](#)



Source: Eneco

**Cable Emergency Response Manual for the Subsea Power Cables of the Luchterduinen Offshore Wind Farm Completed**

We were commissioned to compile an operational Cable Emergency Response Manual, covering Prevention, Preparedness & Response in regard to cable emergencies and planned solutions. The main objective was to develop a high level handbook for user requirements and guidelines that establish the expectations for identified failure scenarios for both the infield (43) and export cables, also covering from beach to all offshore site locations. The manual is to form the basis for regular inspections and preventative maintenance and includes the recovery from both foreseeable and unpredictable events so as not to affect the operational ability of the Offshore Wind Farm over its lifetime. The client commented our work as follows: "It was a real pleasure to read the Cable Emergency Response Manual. All the internal reviews have confirmed this to be an excellent document, to determine our strategy and proceed with appropriate steps for implementation".



**Client Representatives and Marine Coordination Services for Dutch Offshore Wind Farm Provided**

We were contracted to provide complete Client Representative Services, from several vessel platforms covering multiple simultaneous construction activities ranging from mono pile, turbine generator installation and heavy lifting to cable lay and protection. As well as overseeing all these construction activities by means of providing critical operational services relating to safety and quality management and Marine Coordination. We were delighted to have been involved in this offshore wind farm project, which had its own characteristics and challenges. The construction activities were successfully managed by a dedicated Offshore Client Representative Team, which included members who were carefully selected over many years of operations.



**Tender Management and Client Representation Given**

Contracted by a major TSO, we were entrusted with the Tender Management (writing technical specifications for example), Contractor Evaluation & Selection and Offshore Client Representation covering the Re-burial and Deepening of their interconnector by MFE techniques. Being engaged for 10 years in practically all aspects of this huge project, such as tender management, engineering i.e. route preparation, operations i.e. rock placement, fault finding and cable repairs as well as maintaining the required depth of burial, has played a major part in ensuring a smooth running of the project.

**And Here Follows a Selection of Projects We Are Working On**

- Installation Engineering for a Cable Manufacturer
- OHSE Management Support – ongoing scope
- Client Representation and Construction for an Offshore Wind Farm
- Marine Engineering for an Interconnector
- Engineering Burial Specialist for an Offshore Wind Farm
- Marine & ERS Engineering for an Interconnector
- Engineering and Marine Consultancy for an Interconnector
- ERS and Assistance for an Interconnector
- Engineering and Marine Consultancy for an Offshore Wind Farm
- Marine Engineering for a TSO
- Survey Management for a TSO
- Cable Burial Route Assessment and Trencher Assessment for an Interconnector
- Engineering for an Interconnector
- Tender Management for a Wind Farm
- Burial Assessment for a Wind Farm
- Burial Assessment and Route Engineering for a Wind Farm
- Engineering for a Wind Farm
- MetOcean Services for a Wind Farm
- ERS for an Export Cable



**Save the Date! Hamburg WindEnergy Taking Place in September**

September 27th - 30th, the offshore wind world will be gathering in Hamburg for the WindEnergy conference and exhibition. We will be there and happy to meet you at our stand no. B4.EG.207 in Hall B4, ground floor.



**Annual Client Survey Undertaken**

We would like to thank all our clients who participated in our annual Client Survey. The annual Client Survey is part of the internal Quality Management System we committed ourselves to and we are grateful for the feedback provided.



**Interview on Mobile Seabeds in Energies de la Mer**

We were delighted to have provided an interview on mobile seabeds to the French newsletter Energies de la Mer. To read the full interview by Wino Snip please to go [www.energiesdelamer.eu](http://www.energiesdelamer.eu)



**Good to Know:**

From DNV GL there are available

- the Recommended Practice (DNVGL-RP-0360 "Subsea power cables in shallow water" (Edition March 2016)
- the Standard DNVGL-ST-0359 "Subsea power cables for wind power plants" (Edition June 2016)

Both containing a multitude of valuable information. Both available via their website: [www.dnvgl.com](http://www.dnvgl.com)



**We Became Sponsors**

Primo Marine is sponsoring the Maritiem Museum in Rotterdam to realize the exhibition "Offshore Experience". This exhibition is planned to open in December.

**Career Opportunities**

Primo Marine is always looking for experienced and enthusiastic personnel. If you can see yourself working in an offshore cable and pipeline engineering environment and would like to discuss your opportunities, feel free to send your CV and/or call: [info@primo-marine.com](mailto:info@primo-marine.com) / +31 10 240 9821.

Also, go to Vacancies on our website: [www.primo-marine.com](http://www.primo-marine.com)



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**Short Profile of Primo Marine**

Onshore and Offshore Engineering and Management for Subsea Cables and Pipelines. Your Helpdesk for Installation, Protection and Maintenance Challenges.

 Primo Marine is a member of the International Marine Contractors Association (IMCA) and greatly supports the use of IMCA guidelines.

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