PROMOTioN
PROGRESS ON MESHED HVDC OFFSHORE TRANSMISSION NETWORKS

# Technical challenges and solutions for Meshed Offshore Grid development in the Northern Seas

**Wednesday, 27 November 2019**

**14:30 – 17:00**

**Meeting room 19, level 1– Offshore 2019 Copenhagen**

Dear Madam/ Sir,

Maintaining security of supply whilst cost-effectively integrating large quantities of renewable energy is the main challenge for the future European power grid. The EU funded research project PROMOTioN (Progress On Meshed HVDC Offshore Transmission Networks) addresses this challenge by demonstrating a broad variety of key HVDC technologies, as well as providing a solid research basis to prove their technical viability.

The PROMOTioN partners are pleased to invite you to our side event during the Offshore 2019 in Copenhagen. This event presents the most recent conclusions and demonstration results of the project regarding

- HVDC Network Control & Protection
- Black Start Functionality of Offshore Wind Turbines
- HVDC Circuit Breakers
- Gas-Insulated Switchgear
- Converter Impedance Model Validation
- Standardization and offshore/HVDC grid codes

The detailed agenda of the side event looks as follows:

| Time | Title | Speaker |
|---|---|---|
| **14:30** | Welcome and opening | Mark van Stiphout, DG ENER |
| **14:40** | Introduction PROMOTioN & overview | Cornelis Plet, DNV GL |
| **14:50** | How to export offshore wind using DC grids? | Christina Brantl, RWTH Aachen |
| **15:00** | How offshore wind can provide black start? | Ramon Blasco-Gimenez, UPV |
| **15:10** | How to protect a DC grid? | Geraint Chaffey, KU Leuven |
| **15:30** | How to apply DC Circuit Breakers? | Cornelis Plet, DNV GL |
| **15:50** | How to reduce the size of platforms with HVDC GIS? | Michael Gatzsche, ABB |
| **16:10** | How to avoid converter controller interaction? | Philipp Ruffing, RWTH Aachen |
| **16:30** | What's the progress towards standardization and grid codes? | Poul Sørensen, DTU |
| **16:50** | Final Q&A | Moderator: Cornelis Plet, DNV GL |
| **17:00** | End of the side event | - |

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691714.

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## Important notification:

The number of attendees is limited. Please register in advance. You will require a **1-day exhibition pass** to enter the premises. You can obtain the pass following this **link**.

➔ **Check out our side event on "Regulation & Financing of a European offshore grid" on 26 November**

➔ **Visit us in Hall E-F20, directly opposite of the WindEurope booth, to get in touch with us during the conference!**

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