



2nd Edition

VIRTUAL CONFERENCE

OFFSHORE WIND TRANSMISSION EUROPE

PLANS, CHALLENGES AND SOLUTIONS

May 11-12, 2021 | 10:00 - 16:00 Central European Time (CET)

Hosted by:

Global **Transmission** Report

Information and analysis on the global electricity transmission industry

Knowledge Partner:

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MISSION

Offshore wind has fast emerged as a vital component of Europe's strategy to achieve carbon neutrality by 2050. Established markets such as Germany and the UK and new markets such as Poland and France offer a huge opportunity with already announced plans of more than 100 GW over the next decade. However, for such ambitious plans to succeed, building the necessary infrastructure for integrating the offshore wind farms to onshore grids becomes critical.

Global Transmission Report is organising the **2nd edition** of its conference on **Offshore Wind Transmission, Europe** as an **online event** on **May 11-12, 2021**.

The mission of the conference is to highlight the next wave of opportunities in Europe's offshore wind sector and discuss technologies and solutions for the development of the related transmission infrastructure.

As future offshore grids will be more complex to develop, the conference will showcase technology options, optimal network configurations, and advances in offshore cables, substations and structures for upcoming projects. It will also bring forth solutions to address regulatory challenges, logistical barriers, and supply chain gaps in building and managing this infrastructure.

The online event will bring together policymakers, regulators, offshore wind project developers, transmission companies, technology providers, and industry experts to discuss the grid infrastructure needs for integrating offshore wind proposals. They will present their perspectives, share experiences, and offer possible solutions.

WHY LOG-IN?

- Learn about the latest plans, developments and programs for expansion of the offshore wind sector in various European countries
- Analyse which markets present promising opportunities
- Discuss the issues and challenges in these markets and whether existing practices hold good for them
- Evaluate key success factors in building offshore links - technology, regulatory challenges, contractual arrangements, etc.
- Listen to transmission system operators (TSOs) about issues and optimal solutions thereof in building and integrating large-scale offshore wind
- Hear from project developers on the transmission challenges they face and learn from their experiences
- Determine the impact of the proposed plans on the current network design and learn how to build flexibility for new projects
- Gain insight into permitting issues in developing offshore transmission infrastructure
- Explore the best technology solutions for offshore transmission infrastructure
- Assess the equipment needs - subsea cables, substations, structures, etc.
- Review the advances in technology and equipment and their relevance for the upcoming projects
- Understand the unique engineering, construction and installation issues in building offshore links
- Engage in stimulating discussions and deepen your knowledge with targeted questions
- Virtually network with speakers, panellists and peers, and develop contacts with potential customers, partners and collaborators

WHO SHOULD LOG IN?

- Transmission system operators and transmission companies
- Electric power utilities
- Policy developers and regulators
- Offshore wind farm developers and prospective investors
- Electric power regulators
- Government agencies and associations
- Transmission technology providers
- Equipment manufacturers (subsea cables, substations, structures, etc.)
- Engineering, procurement and construction companies
- Engineering and technical consultants
- Management consultants
- Legal consultants and lawyers
- Industry observers and experts
- Equity and business analysts
- Research and technical institutions

Tentative Conference Program

Day 1: May 11, 2021

Offshore Wind in Europe

- Latest developments in the offshore wind industry in Europe
- Opportunities and challenges in expanding production
- Addressing major barriers and implementing mechanisms to achieve the targets

National policies, plans and emerging opportunities

- Plans and programs for the expansion of OSW in various European countries
- Key developments, policies and regulations for OSW in these markets

Developers' plans and perspectives

- Plans of leading developers
- Transmission needs of new projects
- Challenges and issues perceived by offshore wind farm developers in building electrical grids
- Solutions to overcome these issues and learnings from early projects

From MWs to GWs: Building large-scale projects - what's needed?

- Improving the economics of large-scale OSW projects
- Capex requirements and mechanisms to reduce costs
- Regulatory and financing challenges and issues
- Lessons from recent projects and solutions to de-risk project development
- What is needed and can be achieved?

Regional cooperation in building large-scale projects and offshore grids

- Regional cooperation in enabling large-scale projects
- Optimising regional interconnections of offshore grids
- Solutions and project examples

Day 2: May 12, 2021

TSOs' plans and perspectives

- Perspectives of TSOs on integrating planned large-scale offshore wind farms to the onshore grid
- Grid planning for future projects
- Ensuring flexibility for interconnecting future projects and impact on system design
- Challenges in managing proposed regional OSW projects

Technology for OSW transmission

- Technology options for offshore transmission infrastructure
- Comparison and optimisation of OSW grid connection topologies
- Optimal solutions for future offshore grids

Subsea cables and their monitoring and protection

- Advances in subsea cables for offshore wind farm connections
- Latest innovations in cable monitoring and protection

Planning and designing integration of offshore wind farms

- Interconnection challenges for offshore wind
- Design considerations in integrating offshore wind farms to the onshore grid
- Optimal grid planning for future projects

O&M of offshore grid assets

- Planning for O&M and protection of offshore grid assets
- Optimal solutions for O&M of these assets

Floating offshore wind projects

- Plans and developments in the floating offshore wind industry
- Unique requirements for electrical systems for floating OSW projects
- Key challenges in integrating floating OSW projects
- Technical advancements to address these issues

ABOUT THE ORGANISER

Global Transmission Research is a leading provider of information and analysis on the global electricity transmission industry. We publish newsletters and market intelligence reports, offer custom research and advisory services, and organise thematic conferences on crucial and topical issues relevant to the industry.

Our leading products – Global Transmission Report (a monthly newsletter), Global Transmission Weekly (a weekly update), and www.globaltransmission.info (website) – keep you informed on key developments, trends and issues in the industry. Our reports provide the latest data, insights and analysis on the transmission industry in over 100 countries to ensure reliable and actionable research.

Our conferences are one to two-day thematic events with focused sessions and discussions featuring speakers with vast experience and expertise. In the past, we have organised six conferences on offshore wind transmission in the US and Europe. These conferences received a strong response from speakers and delegates alike.

SOME OF OUR CLIENTS



PREVIOUS PARTICIPANTS

Some of the organisations that participated at the 1st edition of our Offshore Wind Transmission, Europe conference include:

AAF International; AAR Projects; ABB Power Grids; Agency for the Cooperation of Energy Regulators (ACER); AIG; Akura Shipping and Transport Solutions; Anbaric; ANEEL; Autronica Fire and Security AS; Borealis; Brazil Wind Energy Association; Cardiff University; Central Electricity Regulatory Commission; Chatham Partners; Cosmo Oil Europe B.V.; DEIF Wind Power Technology; Department of Communications, Climate Action and Environment, Ireland; Department of Renewable Energy, Ministry of Climate, Poland; Det-Tronics; DNV-GL; EirGrid; EKF; Elia, EMR Integrated Solutions; EnBW; Energinet; ESB; Eskom; European Investment Bank; Federal Maritime and Hydrographic Agency, Germany; Fotech Solutions; GE Renewable Energy; Global Energy Interconnection Research Institute Europe GmbH; Green Investment Group; Hecate Energy LLC; Hayward Tyler; Hellenic Cables; HIGHVOLT Prüftechnik Dresden GmbH; Iberdrola; International Energy Agency; Jeddah Cables Co.; KOSTT; Litgrid AB; MGL Cable Services; Ministry of Economic Affairs and Communications, Estonia; Ministry of Economic Development, Italy; Ministry of Economics, Latvia; Natural England; Nexans; Nile Basin Initiative; NM Institute of Engineering and Technology; nVent; Offshore Energy Consulting; Ofgem; Otary; ReGenPowertech; RWTH Aachen University; ScottishPower; Semco Maritime A/S; Siemens; Spanish Wind Energy Association; SuperGrid Institute; Synaptec; Tata Projects; TenneT; Teshmont Consultants LP; TeSuCon BV; The Brattle Group; The European Commission; Total; TractebelEngie; Transmission Investment; Tridelta Meidensha GmbH; University of the Highlands and Islands; Vestas; WindEurope; World Economic Forum, etc.

SPONSORSHIP

As our sponsoring partner at the event, your company will receive the following benefits:

- *A 15-minute presentation slot (presentation should be relevant and not just a sales-pitch)*
- *Company logo will be displayed on the event website and the registration page*
- *Company logo will be displayed in the opening and closing slide/waiting room*
- *Sponsor company mentioned in each promotional mailer*
- *Mention in social media posts including a post on the speaker from your company*
- *Mention in the virtual event opening and closing remarks*
- *6-9 participant logins for the employees*
- *Opportunity to interact virtually with the top officials in the industry*

Available on a first-come, first-served basis.

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DELEGATE FEES

Delegates	Price before March 18, 2021	Price before April 22, 2021	Standard Price
1 Login	EUR280	EUR340	EUR400
2-3 Logins	EUR450	EUR550	EUR650
4-5 Logins	EUR630	EUR765	EUR900
6-9 Logins	EUR800	EUR970	EUR1,150
10-20 Logins	EUR980	EUR1,190	EUR1,400
Special fee*	EUR125	EUR150	EUR180

*Government agencies, regulatory authorities, academia and research institutions.

PAYMENT OPTIONS

To make payments, please visit:

<https://cvent.me/lz7oNm>

All credit card payments will be subject to standard credit card charges

TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference in EUR.

Cancellations

- Cancellations received in writing 30 days before the date of the conference will receive a full refund, minus a service charge/administration fee of EUR40. **We regret that no refunds will be made for any cancellations received less than 30 days prior to the conference.**
- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.
- **Disclaimer:** Global Transmission shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency. Global Transmission's responsibility is limited to return of the registration fee only and is not liable for any cost in relation to travel and accommodation.
- Please note that it may become necessary for reasons beyond the control of the organisers to make alterations to the content and timing of the programme or speakers.

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