

8th Annual Conference

OFFSHORE WIND TRANSMISSION EUROPE

16 March 2027

Amsterdam, The Netherlands

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OFFSHORE WIND TRANSMISSION EUROPE

16 March 2027 | Amsterdam, The Netherlands

08:00–08:50 | Registration & Networking Breakfast

08:50–09:00 | Welcome Remarks by Global Transmission Report

09:00–09:30 | Opening Keynote

Europe's Offshore Grids: Strategic Priorities and the Roadmap for the Next Decade

- Progress in offshore wind and grid delivery, and the strategic priorities for the next phase of development
- Setting the European roadmap for coordinated offshore grid development and cross-border projects

09:30–10:00 | ENTSO-E Briefing

Europe's Offshore Network Needs to 2040

- Offshore Network Development Plans (ONDP) and implications for offshore grid capacity
- Where cross-border infrastructure and hybrid interconnectors deliver the greatest system value
- Aligning offshore network planning with wind deployment, national grid plans and electricity demand
- Critical planning assumptions and priorities for implementation in ENTSO-E's Offshore Roadmap

10:00–10:45 | North Sea: Cooperation Projects and Cross-Border Grid Delivery

- Status of the Hamburg Declaration's offshore cooperation commitments and proposed Offshore TSO Collaboration (OTC) projects
- Hybrid interconnectors: project status, investment decisions and outstanding regulatory and commercial conditions
- Joint TSO governance of shared offshore hubs: ownership, operation and decision-making
- Coordinated North Seas Energy Cooperation (NSEC) tender planning for 2031–2040 and alignment between wind farm and grid delivery
- Participation of Norway and the UK in regional offshore grid planning

10:45–11:25 | Networking Coffee

11:25–12:10 | Baltic Sea: Offshore Grid Development After Synchronisation

- Baltic Offshore Grid Initiative (BOGI) System Study 2026: priority interconnectors, offshore hubs and sequencing of regional projects
- Hybrid and interconnector projects in the Baltic Sea: status and next milestones
- National offshore wind frameworks in the Baltic region: support schemes and grid connection responsibilities
- System operation following Baltic synchronisation: balancing, frequency stability and interconnector capacity
- Cross-border arrangements between countries exporting and importing offshore electricity

12:10–13:00 | Subsea Cables and Grid Security: Monitoring, Protection and Repair Readiness

- Monitoring: real-time condition assessment, fault detection and surveillance of export cables and interconnectors
- Protection: burial, cable protection systems and safeguards against anchors, fishing activity and seabed mobility
- Repair readiness: shared spares, jointing teams, specialist vessels and regional repair capacity
- Lessons from recent Baltic cable incidents and implementation of the EU Action Plan on Cable Security
- Cybersecurity of offshore substations, sensing networks and control systems

13:00–14:00 | Networking Lunch

14:00–14:45 | Offshore Hybrid Grids: Market Design, Congestion and Revenue Certainty

- Offshore bidding zones versus home-market arrangements: implications for hybrid project design and investment decisions
- Cross-border electricity trading and the allocation of interconnector capacity between wind generation and market flows
- Congestion, curtailment and transmission outages: implications for offshore wind revenues
- Revenue risks for developers connected through hybrid interconnectors and multi-country offshore grids
- The role of market coupling, contracts and revenue stabilisation mechanisms
- Priorities for regulators, TSOs and governments in establishing predictable market arrangements for hybrid projects

14:45–15:30 | Offshore Grid Delivery: Technology, Procurement and Onshore Integration

- 2 GW standard connection systems: progress and lessons for the next generation of projects
- Converter supply and manufacturing capacity: slot reservations, framework agreements and delivery schedules
- Cost escalation in grid connection projects: re-scoping, phasing and contract risk sharing
- Landfall sites, onshore converter stations and cable routes: land acquisition, consenting and community engagement
- Onshore reinforcement and coordination of offshore construction with onshore grid readiness

15:30–16:25 | Developers' Roundtable: Bankability, Auction Design and Grid Connection Risk

- Lessons from unsuccessful or postponed offshore wind auctions in Germany, the Netherlands and Denmark
- Two-sided Contracts for Difference, corporate PPAs and the impact of non-price criteria on bids
- Grid connection delays: compensation mechanisms and allocation of delay risk
- Developer–TSO interface agreements: connection dates, outages and liability
- What developers need from TSOs and regulators to reach FID in 2027–2028

16:25–16:30 | Closing Remarks & End of the Conference

Note: This conference program provides a preliminary outline with draft agenda topics. Please note that session timings and topics are subject to change as we approach the conference date. Your input and thoughts on the agenda are warmly welcomed.