



# OFFSHORE WIND TRANSMISSION REPORT

Offshore wind energy is poised to grow significantly over the next decade. Strong support from policymakers and regulators, the drastic fall in technology costs, demonstrated competencies in installation, and economic success in recent tenders has spurred growth not only in Europe but also in the Americas and Asia. While offshore wind has garnered the political support and investor confidence, several challenges remain. A key bottleneck is the availability and development of grid infrastructure, both offshore and onshore. This challenge, however, presents the opportunity to deploy new and innovative technologies.

The Offshore Wind Transmission Report analyses the market size and opportunity for offshore wind transmission across the globe. The report provides an overview of the recent policy developments and mandates for offshore wind development, examine the costs and present the various models and technology options for developing offshore wind transmission infrastructure. It provides information on existing and planned offshore transmission projects and on the key technology players in the industry.

The report has four parts.

**Part 1** is the Executive Summary.

**Part 2** of the report provides an analysis of the global offshore wind transmission sector. It has seven distinct sections.

- Offshore wind developments
- Market size and opportunity
- Offshore transmission development routes
- Offshore wind transmission technology
- Key technology players
- Offshore wind transmission costs
- List of offshore wind transmission projects

**Part 3** of the report profiles over 20 countries where offshore wind projects already exists or planned in the near future.

Each country's profile provides data and analysis on:

- Industry structure
- Recent policy and regulatory developments
- Existing offshore wind generation and transmission capacity
- Planned or proposed offshore wind generation and transmission capacity
- Existing OWT projects (developer, capacity, technology, investment and key contractors)
- Upcoming and planned OWT projects (developer, capacity, technology, expected investment and key contractors)

*Note: The data on various parameters for existing and upcoming/planned projects will be provided wherever such details are available*

**Part 4** of the report is the appendix. It includes a note on sources and methodology, key global and regional industry associations, and list of acronyms.

This report is indispensable for any organisation interested in the offshore wind energy industry - utilities, developers, system operators, equipment manufacturers and suppliers, EPC contractors, service and technology providers, investors/lenders, research institutes, industry consultants, regulatory agencies, development institutions, etc.

The report is available in a Power Point presentation (converted to PDF). It is priced at USD4,000.

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## Sources and Methodology

**Global Transmission Research's** industry analysts have utilised various primary and secondary research sources in preparing this report. Extensive secondary research has been conducted by our analysts and research associates. These secondary sources include, but are not limited to, websites of OSW developers; websites of regulators and government agencies; investor presentations; analyst reports; government documents; websites of relevant industry associations; internal and external proprietary databases; news articles; and press reports.

Primary research includes interviews conducted to gain insights into market trends, and cost and investment analysis. While estimating costs and investment figures, we have also researched the available industry literature and reports.

These primary and secondary research sources, combined with our industry expertise, have been synthesised into qualitative and quantitative analysis which has been presented in this report. Wherever applicable, all research sources are appropriately cited within this report.

Please note that this report does not take into account any possible impact of the ongoing COVID-19 situation on the investment analysis. It is very likely that the industry will see delays and cost overruns. Therefore, we have taken a longer-term analysis period of 2020-2030.

Great care has been taken to ensure that all analysis is well supported by facts. Where facts were not available and assumptions were made, we have explained our assumptions and our methods of estimation.

## About the Publishers

**Global Transmission Research** is a leading provider of information and analysis on the global electricity transmission industry. We publish newsletters and reports. We also organise conferences on crucial issues and topical themes relevant to the transmission industry. We publish the Global Transmission Report (a monthly newsletter) and the Global Transmission Weekly (a weekly update). We also operate the website [www.globaltransmission.info](http://www.globaltransmission.info). These products and services provide information on all the key developments, trends and issues in the sector. We have published several industry-focused research studies such as the Global Electricity Transmission Report, Global High Voltage Transmission Line Projects Report, Global Electricity Transmission Equipment Market Report, Global Electricity TSO Profiles Report, etc.

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