

# Global offshore wind power generation distribution

The Offshore Wind Market Report: 2024 Edition provides detailed information on the U.S. and global offshore wind energy industries to inform policymakers, researchers, and analysts about technology, ...

The Global Offshore Wind Report 2025 by the Global Wind Energy Council (GWEC) provides a comprehensive overview of the offshore wind industry's performance in 2024 and outlines ...

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...

Find up-to-date statistics and facts on the global offshore wind energy industry.

The report highlights the significant policy and regulatory breakthroughs that are forming the next stage of offshore wind markets in countries including Japan, South Korea and the Philippines.

Our report finds that there is now already 83 GW of offshore wind installed worldwide, keeping the lights on for 73 million households, and powering countries' economic development. ...

The Global Wind Atlas is a free, web-based application developed to help policymakers, planners, and investors identify high-wind areas for wind power generation virtually anywhere in the world, and then ...

The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear power. More than 30 countries now have a share of wind ...

With expected annual growth rates of 28% until 2029 and 15% up to 2034, the industry is set to surpass 30GW annually by 2030 and reach 50GW by 2033. The expansion is not limited to ...

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more.

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