



# Research on wind power generation industry

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Current, comprehensive coverage of the Wind Power Generation Industry. Includes: industry forecasts, trends, financial information & detailed analysis. Updated 12/1/2025.

Using an Original Institutional Economics (OIE) approach to examine real world developments, we argue that the global wind energy industry is increasingly volatile and ...

The GWEC Global Wind Report 2025 reviews the industry's 2024 performance and outlines the path to accelerated growth. It stresses the importance of sustained investment and innovation. With ...

Wind power, by its nature, offers a new paradigm for energy security and a nation's resilience, while also emerging as a key energy source for the world's fastest growing industries.

Next-Generation Wind Technology: Increasing the performance and reliability of next-generation wind technologies with industry partners through prototype, component, and utility-scale turbine research ...

As of 2023, global wind power capacity reached 1 TW, generating approximately 2,300 TWh of electricity--8 percent of global electricity production.

Technological innovations are transforming the landscape of The Global Wind Power Industry. Advances in turbine design, materials, and energy storage solutions have led to increased efficiency and ...

Asia-Pacific suppliers scale production quickly, European utilities press ahead with deep-water projects, and North American developers prioritize grid-forming functionality, collectively ...

For nearly five decades, researchers from NLR have helped guide the development of energy technologies and crosscutting data and tools while advancing scientific and engineering ...



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The global Wind Turbine Market size was valued at USD 143.69 billion in 2024 and is expected to grow at a CAGR of 7.7% from 2025 to 2034.

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