

Trends in wind power generation

This article explores the latest advancements, market trends, and challenges in wind energy technology, supported by real-world data and projections for 2023-2030.

As the world moves toward NetZero goals, ERSG looks to the latest insights from the GWEC Global Wind Report 2025 to better understand current trends and the future of renewable energy.

Global Wind Power Growth Accelerates in the First Half of 2025. The report can here be downloaded in pdf format.

Explore technological advancements, offshore wind expansion, and the challenges shaping the industry in the coming years.

Wind energy offers a sustainable solution, using the power of the wind to create electricity without releasing harmful greenhouse gases. In the coming years, wind energy technology will continue to ...

In order to mitigate this uncertainty, it is crucial to improve the accuracy of generation forecasting methods for wind energy. This review explores various wind power forecasting methods, ...

This research presents a detailed evaluation of global wind power generation, employing cutting-edge machine learning methods to forecast future trends and capacities through 2050.

Wind advances in 2025 will include capacity increases, noise reduction, and turbine recycling. The United States is home to over 70,000 wind turbines with 153 GW of installed capacity, producing ...

Below are some of the key trends and data points that can help track the ongoing development of this critical power source.

Curious how wind energy trends are changing the way we generate, manage, and use renewable power? This article explores how AI-driven operations, blade materials, automated ...



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