

Innovative Design Principles of Vertical Axis Wind Turbines in Modern Energy Solutions You know, the design principles behind Vertical Axis Wind Turbines (VAWTs) are becoming super ...

Cadeler has taken delivery of its latest acquisition, a newly-constructed jack-up wind turbine installation vessel (WTIV) Wind Keeper, securing also a long-term contract for its maiden job ...

The world's most powerful direct-drive floating offshore wind turbine, rated at 17 MW and co-developed by Dongfang Electric Corporation and China Huaneng, has been rolled out in China. With the highest single-unit capacity and the ...

These advancements highlight the potential for biomimetic designs to overcome traditional aerodynamic limitations in wind turbines. The industrial relevance of this research lies in its ...

In February 2024, Vineyard Wind and Gov. Maura Healey touted 68 megawatts of power flowing onto the grid from five offshore wind turbines. But one of the project's massive wind blades ...

Beyond where a wind turbine is installed (on a pole or a building), the way it spins also matters. Wind turbines come in two core designs: Horizontal-axis wind turbines (HAWTs) - the traditional three-blade windmill-style ...

Turbine blades heading for an offshore wind farm. Photo via LM Wind Power. To get around these issues, Cordero and his MIT team have uncovered a way of improving the structure of 3D printed alloys ...

The application of throttle bodies in wind turbine generators faces several significant challenges that hinder widespread adoption and optimal performance. One of the primary obstacles is the ...

As the demand for alternative energy sources grows, many people are considering portable wind generators as a viable option to solar power. Unlike solar panels that rely on sunlight, these ...

GE Vernova's second quarter 2025 financial results reflect mixed performance across its wind segment, with growth in onshore deliveries but continued financial losses driven by offshore service costs and tariffs. While the wind segment ...

Vineyard Wind has violated its agreements with Nantucket and federal agencies, and the Select Board will soon announce a detailed set of demands for corrective actions, the town announced on Thursday. Nantucket officials and attorneys ...



Latest wind turbine designs

Explore the latest offshore wind turbine technology from Bentley Systems. Learn how SACS and MOSES streamline offshore wind farm design with advanced tools for floating and fixed-bottom ...

Optimized Generators (OptiGen), a start-up founded in 2023 in Barcelona, has unveiled its first 15 MW wind turbine generator design. The concept is based on the company's patent-pending drive train technology and marks the first ...

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