

New bladeless wind turbine generates clean, quiet, bird-safe power New bladeless wind turbine uses vibration instead of blades, offering quieter, safer, and greener energy for homes and cities.

A new approach to a 100-year-old math problem is reshaping how engineers understand wind turbines. Penn State engineering student Divya Tyagi developed a cleaner and more complete solution to a classic aerodynamic challenge. Her ...

The installation of the first 220-metre,recyclable wind turbine in Jilin, China, is a major step towards circular economy in the wind industry.The wind turbine can be recycled thanks to the ...

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 ...

When it comes to harnessing wind power for off-grid energy, selecting the right wind turbine ?is? crucial for optimal performance and maximum efficiency. To help you make an ?informed decision, we have compiled a list of ...

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 ...

IROQUOIS FALLS -- A packed council chamber made one thing clear: Many local residents don't want wind turbines in their backyard. About 30 people turned out to support two residents -- Lisa Mousseau and Cathy Deforge -- who ...

Wind turbine blades destined for Higgins Mountain on the Mulgrave Marine Terminal. Photo by Aaron Beswick / The Chronicle Herald Tim Gilfoy watched cranes load an 80-metre-long blade onto a truck waiting on the wharf below ...

The developers of a 1 gigawatt wind project in Queensland are proposing to use shorter turbines with longer blades, a move it says will halve the footprint of the project, but still bump up its ...

Comprehensive 2025 handbook: site & wind evaluation, turbine sizing formulas, certified models list, grid/off-grid economics, incentives, interconnection, insurance and maintenance FAQs

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



Ecoideaz wind turbine

capacity and the ...

On a wind plateau in Normandy, engineers have unveiled one of the most elegant energy systems ever: a wind turbine without blades. No spinning blades. No gears. No noise. Just a slender ...

Harnessing the power of wind has never been more important, and these wind turbines are the cream of the crop for off-grid energy. With their innovative designs and impressive efficiency, they are the perfect choice for ...



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