

The wings of wind power generation



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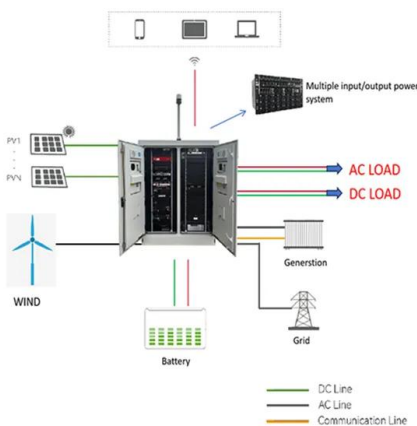


[Airborne wind energy: kite power systems explained](#)

Explore kite power systems for airborne wind energy generation. covers principles, components, power mechanisms, environmental impact, regulations, and commercial prospects.

[Bill Gates backs novel device promising wind energy at 1/3 the cost](#)

It looks nothing like a typical "fan on a stick" wind turbine, but this oval track with evenly spaced wing blades could be an enormously disruptive addition to the renewable energy mix, since



[Winged, Wind-Powered, Electricity Generator](#)

Dr. Liu has developed a wind-powered, electrical generator that has two wings attached to a frame on opposite sides of a central pivoting axis. The wings of the wind generator are attached horizontally to ...

[Bill-Gates Backed 'Roller Coaster' Wind Generator Takes Off](#)

The Airloom generates energy with vertical blades, called wings, connected to an oval track. The 10-meter wings operate like a horizontal-axis wind turbine and travel the track like a roller ...



['Wings' on poles: Bill Gates-backed wind tech plant takes off in US](#)

Construction is underway on a pilot site to test wind turbines designed for faster, cheaper, and more efficient energy generation.

[Electricity generation from wind](#)

Wind turbines use blades to collect the wind's kinetic energy. Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn.



[Novel Wind Turbine Design Could Reduce Renewable Costs](#)

There you can watch the wings traveling around the track. CEO, Neal Rickner, told Fast Company's Adele Peters last week, "Instead of flying in a circle, that blade is flying across the track ..."



[DualWingGenerator , Festo USA](#)

During the development of the artificial herring gull, we investigated how birds actively rotate their wings to make the most energy-efficient use of wind conditions. The DualWingGenerator is self-optimizing ...



[How Do Wind Turbines Work?](#)

How Do Wind Turbines Work? Wind turbines work on a simple principle: instead of using electricity to make wind--like a fan--wind turbines use wind to make electricity. Wind turns the propeller-like ...

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