

A wind turbine without blades

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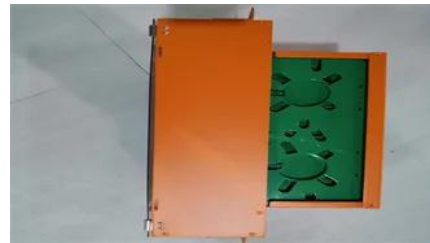


[Bladeless wind turbines get upgrade with new design for quiet power](#)

University of Glasgow researchers are working to unlock the potential of bladeless wind power. For the first time, computer simulations of bladeless wind turbines (BWTs) have pinpointed

[New bladeless wind turbine generates clean, quiet, bird-safe power](#)

A bladeless wind turbine, designed by the Spanish startup Vortex Bladeless, uses a vibrating upright cylinder to harvest wind power. Nicknamed "the Skybrator" by the internet due to its



Vortex Bladeless , Innovative Wind Power

Eco-friendly bladeless small wind energy. Startup technology Vortex wind power for on-site generation, the low-cost wind turbine which is not a turbine!

["They Make No Sound at All": Bladeless Wind Turbines Get Radical](#)

Instead of rotating blades, these turbines utilize tall, slender masts that sway in response to wind currents. The oscillation, amplified when it matches the structure's natural vibration





Bladeless Wind Turbines: Engineering a Sustainable Future

Traditional wind turbines require high wind speeds to operate efficiently, which limits their use in cities with less predictable wind conditions. However, bladeless turbines can generate

Bladeless Wind Turbines Could Quietly Transform Urban Energy

Bladeless turbines, by contrast, could fit seamlessly into urban environments. Their compact, upright form makes them less obtrusive. They are quieter, simpler, and have fewer moving



[2,400 W without blades - A garden-size turbine that works when the](#)

Thankfully, there is a 2,400 W garden-sized bladeless power solution that is so unconventional that it might just work when the weather won't. Horizontal-axis wind turbines

Wind turbine without blades and 3 other radical designs

TouchWind, also from the Netherlands, develops wind turbines that are clearly different from conventional models. Instead of three separate blades, they use a single-piece, angular rotor



[France build a wind turbine without blades - CACIP Central Asia](#)

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

Guide to Bladeless Wind Turbines (2026) , Today's Homeowner

Unlike their bladed counterparts, bladeless wind turbines don't have the familiar spinning rotors. Instead, they have a tall, thin profile and oscillate in response to wind patterns. Bladeless wind



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