

The Wind Lotus™ - Small Vertical Axis Wind Turbine

A new compact wind turbine by Leviathan Energy, designed for both rural and urban locations. Simply attached to a concrete base or to flat rooftops for power generation capacity of 3.5 and 5 kilowatt hours.

The **Wind Lotus™** is an aerodynamically efficient and cost-effective small vertical axis wind turbine, unique in its class. Designed using advanced aerodynamics modeling; it provides more power than other turbines of similar size.



- Up-to 100% higher cost-effectiveness than commercial turbines in its class, depending on local wind conditions.
- Electricity generation commences at a wind speed of less than 3 meters per second..
- Fast return on investment of 3-5 years, depending on local wind conditions.
- Options include hookup to grid or battery backup, 3.5 or 5 kilowatt generator, protective thin net and more.
- Unique shape ensures platform safety and protection to people and birds.
- Minimal vibration and noiseless.
- Easy and fast installation
- Patent-pending air flow enhancement

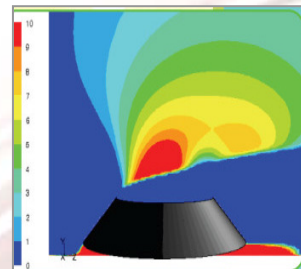
Technical specifications: Height: 4.0 meters, Width: 2.5 meters, Weight: approx. 600 kilograms, Blade Diameter: 2 meters, Generator capacity: available in 3.5 or 5 kW, Option for grid or battery connection

The Wind Energizer

Innovative patented technology by Leviathan Energy, aims to increase the power output of large wind turbines. Using advanced aerodynamic modeling, this design offers a unique passive structure that can be adapted to most commercially available horizontal wind turbines.

After installation, the wind energizer provides the following benefits:

- Guaranteed increase in the power output of wind turbines by 15-30% when the turbine is spinning.
- Reduced cut in speed for the blades
- Likely decreased maintenance costs and longer life span by balancing the velocity load and shearing forces of the turbine.



All this is achieved by a relatively small investment per turbine. Furthermore, the most moderate estimated period of return on investment (ROI) for the wind energizer is 4-5 years.