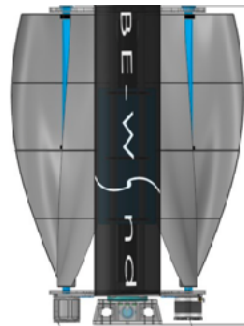
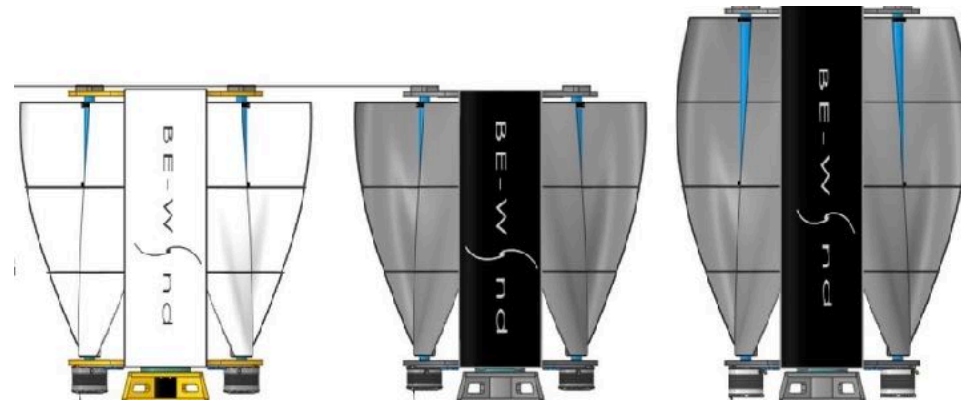


Crafting the Future of Wind Energy



BE-WIND LLC EOW PRODUCTS 2024





Innovative and Sustainable Wind Technology

At BE-Wind, we're committed to revolutionizing clean energy accessibility. Through cutting-edge aerospace technology, we engineer top-tier vertical axis turbines, redefining quality and efficiency in sustainable wind technology

EOW-200-ECO
EOW-200-Composite
EOW-400-Composite

Powering the Future

Our vertical axis turbines are engineered for exceptional efficiency and performance. With the ability to initiate power generation at low wind speeds and excel in extreme conditions, our turbines outperform competitors by 15-20%

Efficient and Sustainable Solutions for a Better Tomorrow

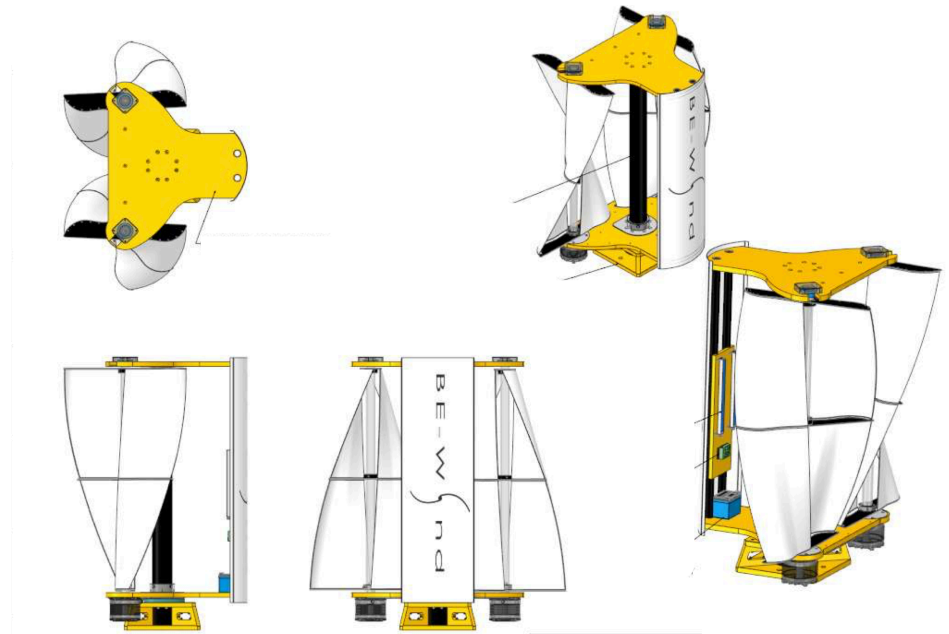
From Design to Concept. We ensure our products fit and function as engineered.

Allowing us to commit to the design and accessories for adaptation and function.

Both structurally and cosmetically. This also insures that our products are upgradable and adaptable to new technologies as they arise.

EOW-200-ECO DUAL SYSTEM

Crafted from 100% recyclable bamboo, this turbine combines eco-conscious materials with cutting-edge technology. With dual 500-watt power generators, it delivers a total output of 1,000 watts, making it a reliable and efficient source of clean energy.



EOW-200-ECO



Eco-Friendly Construction: Crafted from 100% recyclable bamboo, our product not only harnesses clean energy but is also environmentally conscious in its materials.



Impressive Power Generation: With dual 500-watt power generators, our system delivers a total output of 1,000 watts, ensuring efficient and reliable energy production.



Durable Blade Technology: Equipped with FRP composite blades, our product offers superior durability and performance, even in challenging conditions.



Sturdy Structural Support: Supported by a robust aluminum frame, our system is built to withstand the elements and provide long-lasting stability.

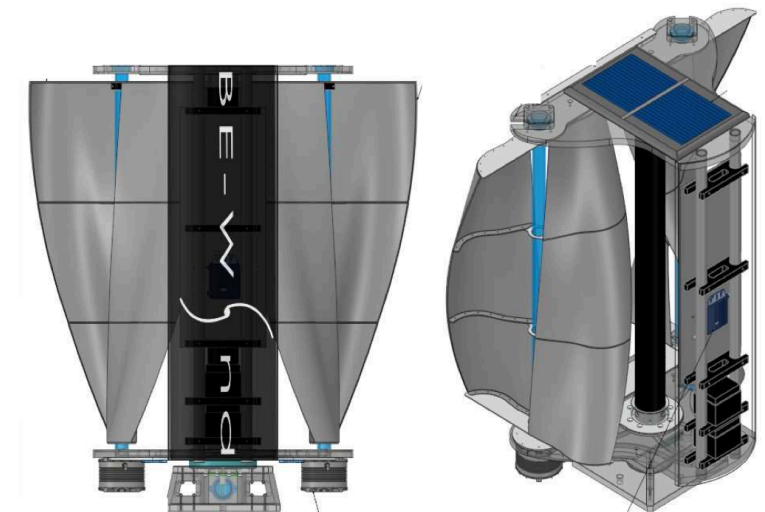
EOW-200 DUAL SYSTEM

All around the EOW-200 is our most popular system to date and has been the Flagship from the start. Perfectly matched for almost any Application including Homes and small business, Farmers, Ranches and Cottages or Island homes.

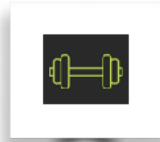
The design brings the most efficient wind energy in the world. 2023 series Now offers a Complete energy package, with nothing other than wire connection. As an option, we can now include the complete electrical kit, mounted directly on the turbine And secured behind the forward shield.

Compact enough for easy shipping and installation, yet capable to offer the best performance and annual power production. Flexible with multiple color configurations and electrical configurations. The new 24" blade design and Top slotted structure allows for a more compact shipping solution, reducing the larger shipping crates.

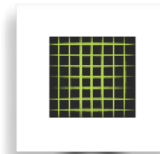
This system stands alone amongst any vertical system on the market. Designed for extreme wind conditions. This is our recommended product for standard Wind installations.



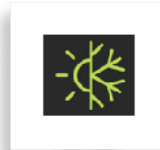
EOW-200-Composite



Lightweight and Durable: Weighing in at only 450 lbs (depending on generators), our turbine is built from 6061 Aluminum, the same material used in commercial aircraft structures, ensuring both strength and longevity.



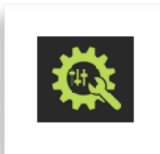
Helix Blade Options: Choose between 2 x 60" or 3 x 60" helix blades per side, designed to capture a full 360 degrees of airflow. Experience a low wind speed kick-in of just 3-4 mph (1.5-2.0 m/s). The blades and front shield are composed of resin transfer carbon fiber material with an inlay of E-glass for added support.



Weather-Resilient: Built to withstand harsh conditions, the system is engineered for areas with maximum wind speeds of 50 m/s, featuring a built-in RPM restriction of 400 RPM at 20 m/s.



Robust Pole Assembly: The center structural pole assembly is constructed from carbon fiber filament wound to a thickness of 0.375", supported on either end by sturdy aluminum 6061 T-6 collars.



Fully Customizable: Express your style with customizable colors, decals, and special lighting effects

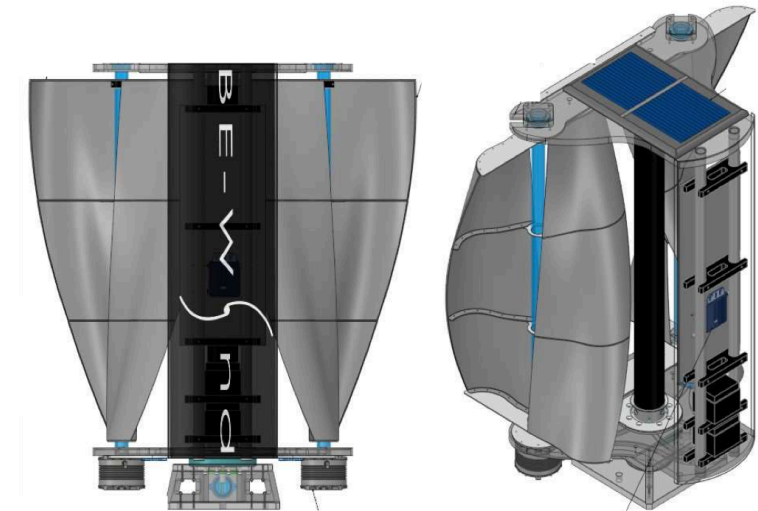
The EOW-200 series turbine is the flagship design by BE-WIND.
Manufactured with HDPE ST structural marine grade plastic for the main Base and Top structures,
The mounting and slew bearing attachment known as the universal base assembly.
The blades and Front shield are composed of Resin transfer Carbon fiber material
With inlay of E-glass for support.
The Center structural pole assembly is composed of Carbon fiber filament wound to .375" thick and supported on either end by an aluminum 6061 T-6 collar.
The EOW-200 was designed for Medium Urban power requirements or small micro grid technology
Focused Basically on production of energy to be stored in a battery system. Then converted to an on-grid application thru a Hybrid Inverter / charger supporting North American energy standards. 110/220 single phase.
The system is also designed for areas of Max winds of 50 m/s, with built in RPM restriction of 400 RPM at 20 m/s

Technical Aspects

EOW-200-Composite

1, 2, 4 kW is available

Designed with the urban environment and small business applications in mind, the EOW-200 is our most popular system, perfect for a wide range of settings, including homes, cottages, barns, small businesses, and remote power source locations. It excels in both grid-tie and off-grid applications, supporting 110-220 voltage or 12/24/48-volt battery systems.



EOW-400 SERIES

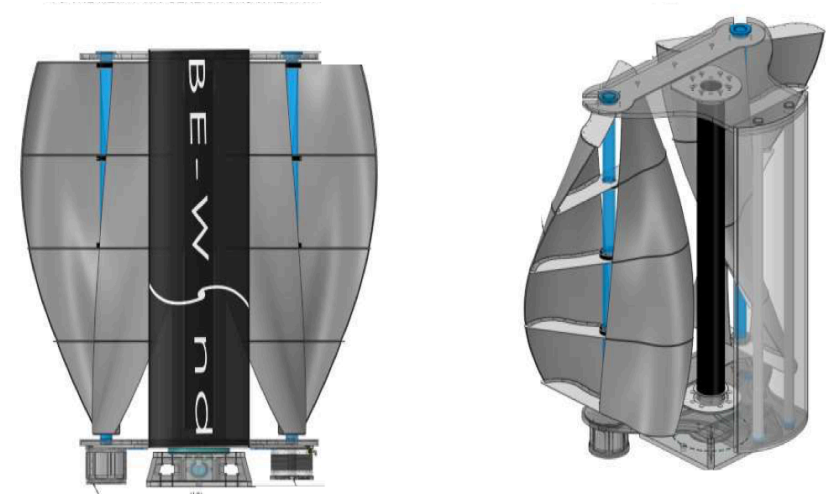
The EOW-300 has been redesigned and enhanced for higher production. The 300 is now available as a total re-design to incorporate a more powerful system that will have a specific focus and customer base.

Catered to Micro grid and higher Power applications, this is a perfect system for low-cost micro grids and hybrid systems or plainly just more power needs.

The new design offers 2 x 2-kw, Coming soon 2 x 4-kw for max output of 8 kw and will maintain upgradability to future power plants.

This unit was designed as a Micro grid or Hybrid solution with a similar design, but with a higher re-enforced sub structure to support the bigger generators and higher wind loads.

Designed specifically for Business and Micro Grid applications, requiring larger power needs or Extreme home locations, Ground based Telecom and localized EV charging sources. along with new electronics for Hybrid interaction with Solar applications and larger storage capacities.



EOW-400-Composite



Lightweight and Durable: Weighing in at just 575 lbs (depending on generators), the EOW-400 is constructed FROM Composite Materials, the same material used in Marine and Aircraft structures. This ensures durability and longevity.



Helix Blade: Equipped with 2 x 96" helix blades per side, meticulously crafted to capture a full 360 degrees of airflow. Experience a remarkably low wind speed kick-in of only 3-4 mph (1.5-2.0 m/s). Carbon Fiber or E-Glass structural material.



Weather-Resilient: Built to withstand harsh conditions, the system is engineered for areas with maximum wind speeds of 50 m/s, featuring a built-in RPM restriction of 400 RPM at 20 m/s.



Dual Voltage Output: Capable of delivering both 220 and 112 DC voltage outputs, this turbine offers versatility for various power requirements.



Fully Customizable: Express your style with customizable colors, decals, and special lighting effects

Start Up Speed: 1.5 m/s

Design Life Span: 50 Years +

Max Rotor Speed: 0-350 rpm

EOW-400-Composite

10FT. TALL STRUCTURE

Structure : High Density HDPE-Starboard 1.5" thick Marine Grade.

Center supports: All vertical supports are Composite Filament wound tube

Inlays : Supporting Inlays are Aluminum 6061 T6 structural aluminum

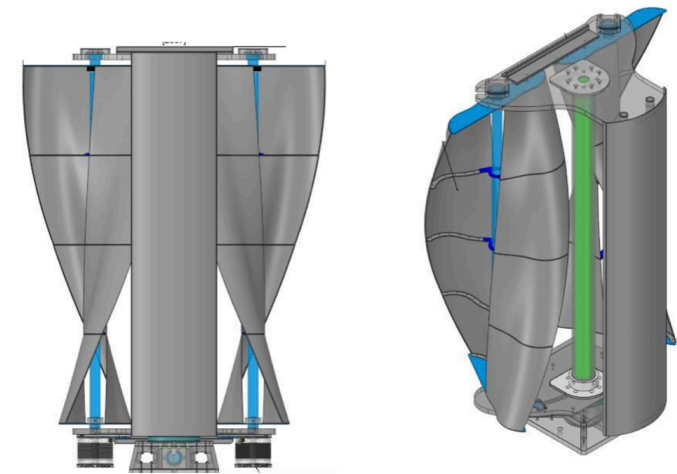
Fasteners: All fasteners are Stainless Steel high corrosion resistant.

Rotational system: 12" Diameter 1.25" thick Slew Bearing

Blades : 2 ply Carbon fiber mid layers Fiberglass marine ply's for structural wind load bearing forces.

Generators : Standard 2 x 2,000-watt PMG water sealed 96VAC rated at 350 Rpm.
4KW Total max Output.

Multiple Additional Options available



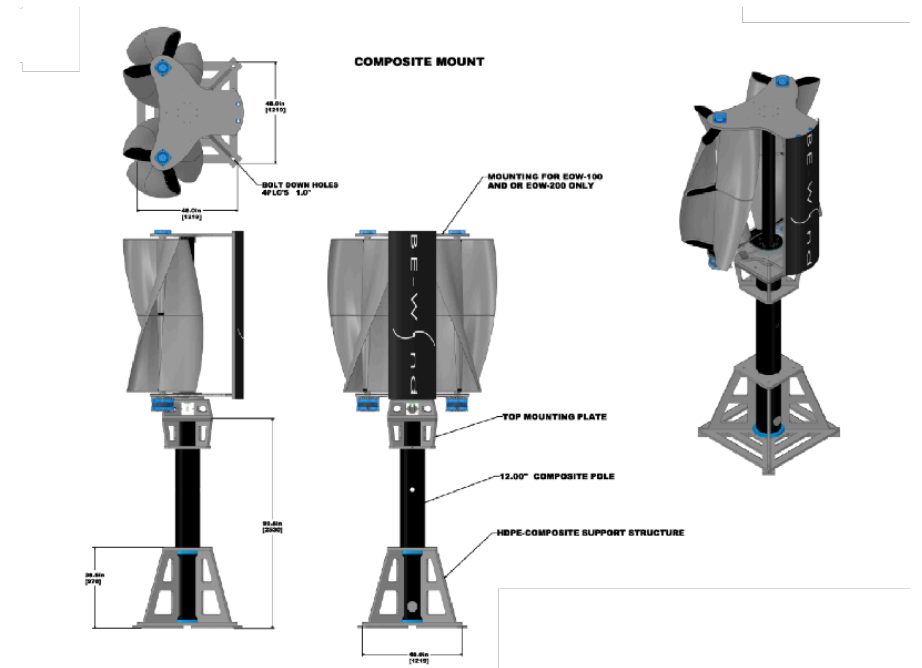
MOUNTINGS AND SPECIAL APPLICATIONS

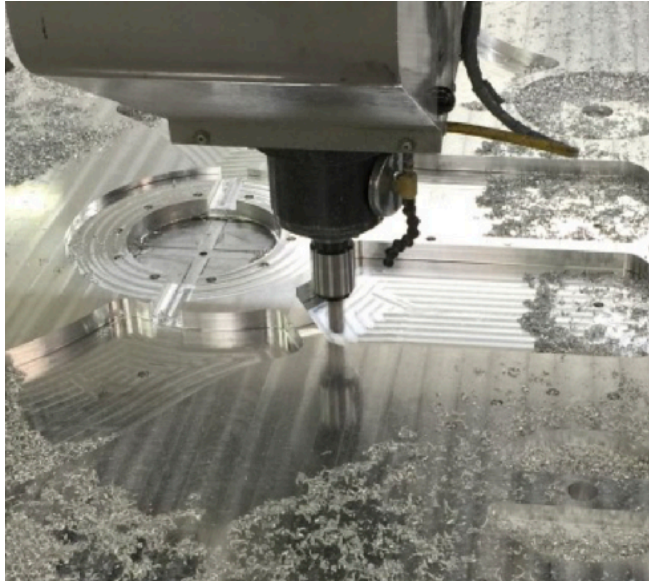
BE-WIND has developed many special mounting configurations for clients all over the world. Our standard mounting configurations will now consist of 12" Diameter extruded FRP

Composite pole. With several ground attachment configurations, this pole is standard length Of 20 ft. and should be ground mounted with at least at least 5 ft. secured in the soil.

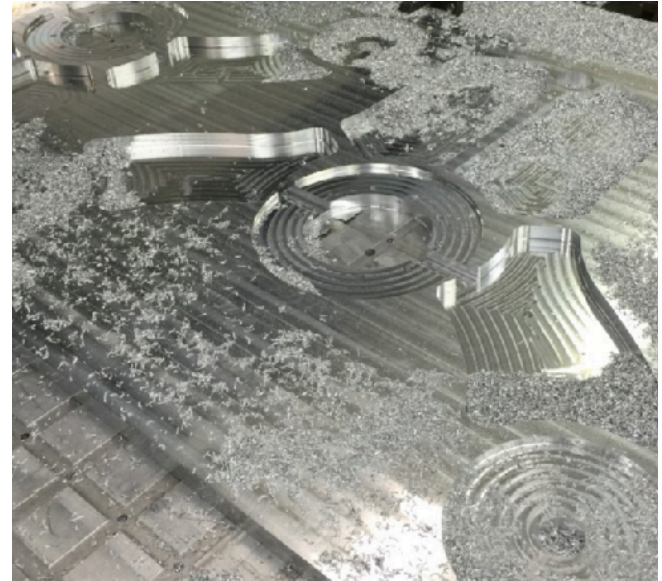
This same pole design can be customized for different applications and mounting structures. At BE-WIND we can help design the best attachment and or mounting system for your requirements.

Our Universal mounting structure, supports all our systems, current and past and is attached to the pole structure.
Please review the multiple mounting designs and let us know which best fits your application.





Ultimate Craftsmanship





Production Line





Flagship Installations





Seaport Canaveral
NASA



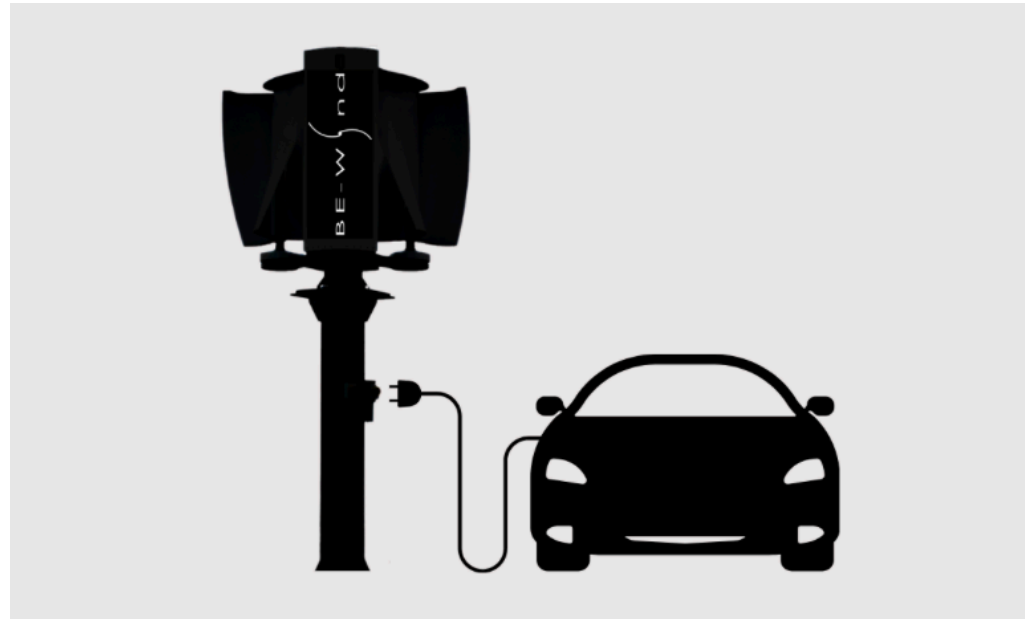
Texas University Project



Be-Wind is paving the way for a Greener and more Sustainable Future of Mobility

It is not just a powerhouse; it's a visual statement of sustainability

Driving Sustainability with Vertical Axis Turbines



Customizing Your Turbine for a Stronger Identity

Efficient and Sustainable Solutions for a Better
Tomorrowanding Power

Your logo is more than just an emblem; it's a
powerful symbol of your identity and values.



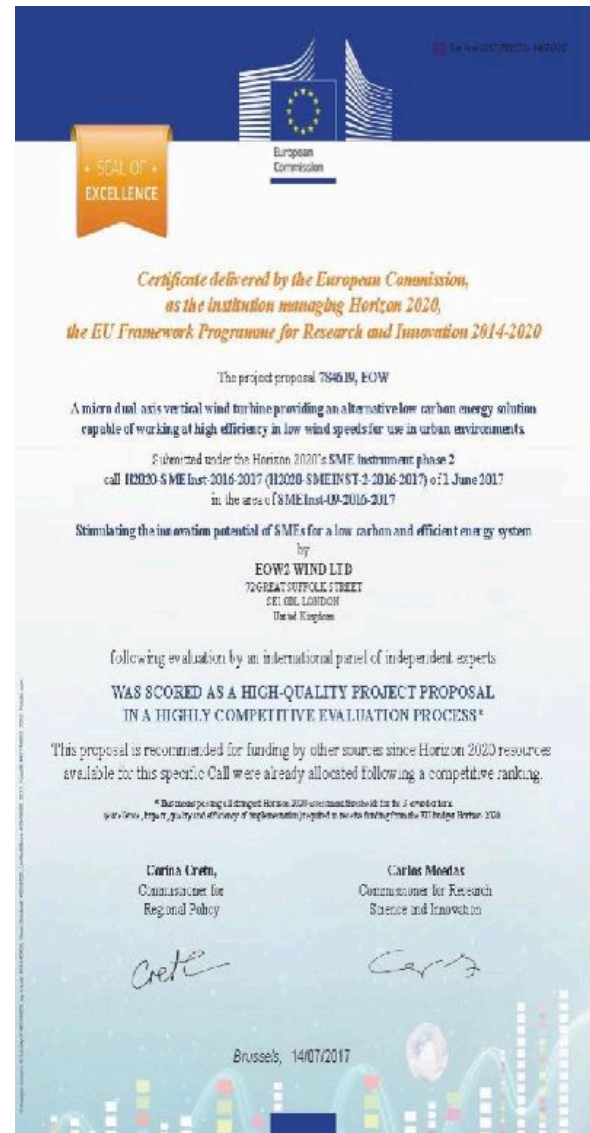
Customizing Your Turbine for a Stronger Identity

When you brand your turbine with your logo, you not only mark it as your own but also convey a strong message of commitment to quality and reliability.

Let your turbine proudly bear your logo, turning it into a symbol of trust, innovation, and sustainability.



Recognition World Wide



DEPARTMENT OF THE AIR FORCE
AIR FORCE WARFIGHTING INTEGRATION CAPABILITY



Washington, DC

October 20, 2020

Re: Letter of Support for Micro grid energy and StorageBE-WIND IIc

To Whom It May Concern:

Micro grid energy and StorageBE-WIND IIc competed with over 800 other companies in the 2020 AFWERX Space Challenge looking for innovative solutions to support **Reimagining Fixed and Mobile Energy Generation**.

Subject matter experts from the government have carefully evaluated this submission and ranked it within the top 15% of all solution submissions. **Reimagining Fixed and Mobile Energy Generation** is therefore determined to be in possession of a solution that meets critical AF needs.

As the AFWIC Deputy Team Lead in Disruptive Technologies, I can attest to the potential this solution has to meeting critical technical needs within our Mission Area.

Our scientists and engineers in this area are interested in utilizing the products from this research effort to advance their programs and cooperate with our acquisition partners at agencies within the DoD to enable superior technologies and capabilities to ensure US energy superiority.

Nathan K. Chang

NATHAN K. CHANG, Lt Col, USAF
AFWIC Deputy Team Lead, Disruptive Technologies
nathan.chang@us.af.mil

GREECE

Athens
t: +30 215 215 1643
sales@ecoturbines.eu
www.ecoturbines.eu

Athens Warehouse
GR-19400
Athens International Airport “El. Venizelos”
At.Odos (Exit Local Roads)

Thessaloniki Warehouse
GR-57009
Thessaloniki National Road

CYPRUS

Limassol
t: +357 25 030 619
sales@ecoturbines.eu
www.ecoturbines.eu
3095 Limassol

Limassol Warehouse
3015 Limassol

ENERGY & TECHNOLOGY



*Energy Masterpieces
for a Lifetime*

