



## OREGON WIND CORPORATION HELYX™ HE-100 “THE URBAN TURBINE”

This revolutionary technology offers affordable, portable, renewable power generation anywhere it is needed. The Helyx™ “Urban Turbine” design overcomes many of the limitations of propeller-style turbines (noise, vibration, bird kill), making it appropriate for urban environments as well as remote locations.

### FEATURES & BENEFITS FACT SHEET

- » Runs silently with negligible vibration.
- » Safe for wildlife (birds view it as a solid object).
- » Appropriate for all environments, temperatures and conditions including snow and ice.
- » Utilizes wind from any direction, regardless of turbulence.
- » Double-helix design starts producing electricity at low wind speeds (approximately 5 mph).
- » Generates power from a wide range of wind speeds.
- » Does not cut out (stop producing electricity) at high wind speeds.
- » Allows for power production where it is needed, bypassing the problem of transporting power from where it is generated to where it is required.
- » Optional built-in inverter for easy grid-tie.
- » Multiple turbines do not affect each other when closely spaced.
- » Can be stacked to create a “wind wall” or a “wind forest.”
- » Can be coupled with photovoltaic panels for increased power and dependability (see our website for information about our hybrid wind/solar LED streetlight).
- » Scalable to larger sizes, potentially increasing power production to kilowatts per unit.
- » Extremely durable, built to last for decades, few moving parts.
- » Wings are replaceable and offer high post-consumer recycled content, impact resistance and UV resistance.
- » Designed for ease of installation and maintenance—no special training or equipment required to install. Requires no tail assemblies, slip ring connectors, or high elevation mounting towers (even the post in the photo is optional).
- » Mass-producible at low cost.
- » Manufactured in Portland, Oregon using sustainable materials and processes.
- » Elegant design contributes to its iconic power.



### SPECIFICATIONS

- » Materials: Turbine is constructed of high impact TPO plastic (60% post-consumer scrap from car bumpers). Optional frame and post are recycled steel or aluminum.
- » Turbine Dimensions: H: 42" W: 17 3/8".
- » Turbine Weight: 9 kg (approx. 20 lbs).