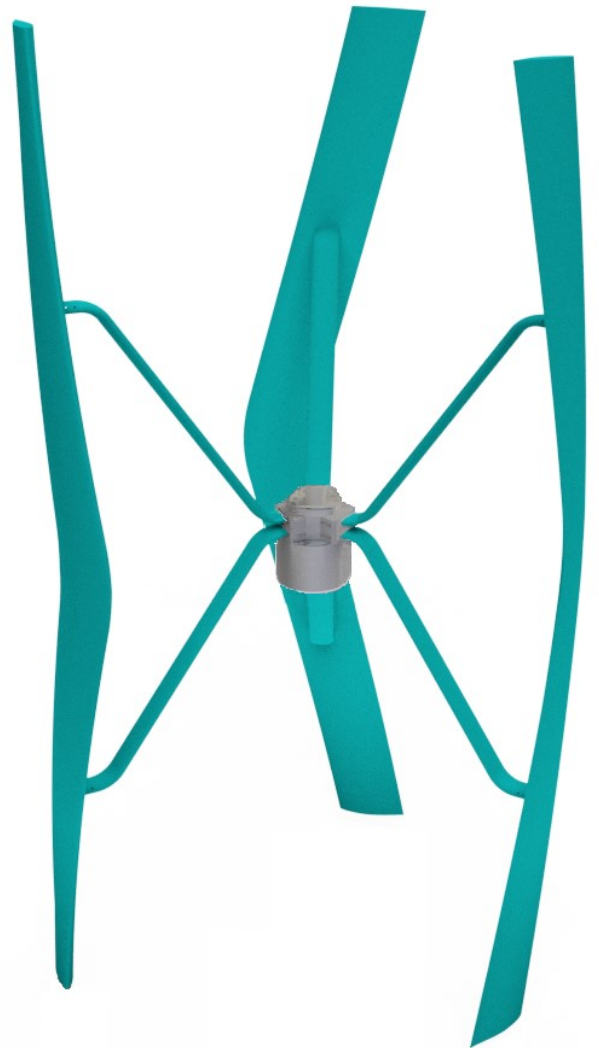


## TECHNICAL DATA

<b>MANUFACTURER</b>	SWiRL SECS
<b>MODEL</b>	Estreya Lx
<b>NOMINAL POWER</b>	2.5 kW at 11 m/s
<b>TURBINE DIAMETER</b>	2.5 m
<b>BLADE LENGTH</b>	4.5 m
<b>TURBINE WEIGHT</b>	350 kg (without tower)
<b>CERTIFICATION</b>	Engineered to IEC 61400-2 Wind class 2 Power Curve to IEC 61400-12-1 (DNV-GL) Noise Level to IEC 61400-11 (DNV-GL)
<b>OPERATIONAL SPEEDS</b>	<i>Start-up</i> 5 m/s <i>Cut-in</i> 4 m/s <i>Cut-out</i> 20 m/s
<b>WING</b>	Basalt Fiber Reinforced Composite Laminar Aerofoil and Wing Sweep
<b>STRUCTURE</b>	Aircraft Grade Aluminum & Steel Robust by design
<b>TOWER CONSTRUCTION</b>	Lattice preferred (Less Noise Transfer Than Tubular Tower)
<b>ENERGY &amp; CONTROL</b>	Permanent Magnet Generator Direct Drive Built-In-Machine Learning RPM vs. Wind-Speed M2M and M2Web Communication
<b>SAFETY</b>	Remote Monitoring, Cloud Siemens Sinema Magnetically Operated Safety Disc Brake Built-In IoT Sensor & Safety Control System (Siemens S7)
<b>Remote Communication</b>	Via Secure End to End Industrial Cloud Proprietary API (Application Programm Interface)



### POWER CURVE

