



Portable power turbine

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SHINE 2.0 | LEARN MORE?

The world's first portable wind turbine that has all the functionality of a large wind turbine, scaled down to fit in your backpack. With Shine you can generate power anytime, anywhere the wind blows.

exploration & adventures

Harnessing the wind to power your adventures and building products robust enough to endure them - providing 24/7 power solutions for your devices - when and where you need them.

"We design and test our products in the extreme so that we can be sure that they stand up to all conditions - adventure, expedition, exploration, safety - professional-grade quality, exceeding expectations."

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Canadian start-up Aurea Technologies has developed a portable wind turbine that compacts down to the size of a water bottle and was designed to provide reliable, renewable energy on the go.

Intended for use during camping trips or in emergency situations, the Shine Turbine can collect as much as three phone charges worth of power in an hour.

When not in use, its three rotor blades can be folded down to create a compact, torpedo-shaped package around the size of a one-litre bottle.

The turbine weighs less than 1.4 kilograms and has a power-to-weight ratio of 29.5 watts per kilogram, which according to Aurea Technologies makes it more efficient than any comparable solar panels, thermoelectric stoves or water turbines.

This is due to wind's "cubic relationship with power", the company explains.

"As wind speeds double, power output increases eight times," said Aurea Technologies.

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