



Northwind[®]100

*Our Design. **Your Solution.***



Wind IS POWERING OUR WORLD

Around the world, turbines are sprouting out of the ground making wind one of the fastest growing sources of electricity in the world today. Wind provides **clean domestic energy**, which delivers clear economic, environmental and social benefits. Wind farms are not the only answer. The space and investment required for utility-scale development precludes many places from participating in the wind power revolution. Thus, the growing demand for local wind projects... and our drive to meet our customers where they live and work.





Municipalities

Farms

Schools

Businesses

Rural Utilities

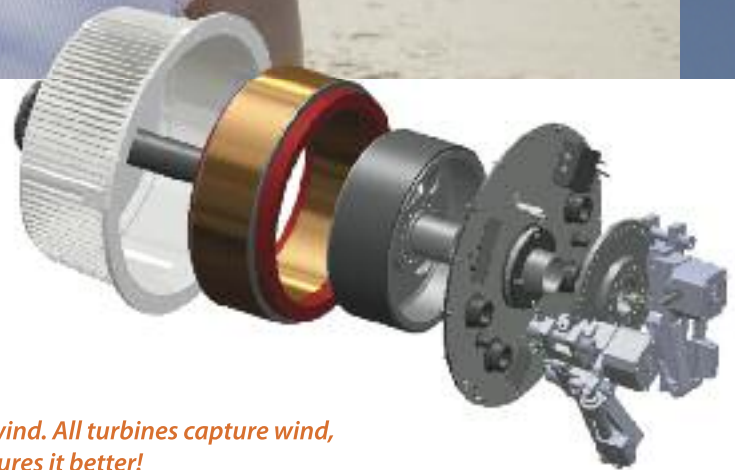
Remote Villages

One Local Application AT A TIME

At 100 kilowatts of rated power, the Northwind 100 can match the power needs of many local applications, whether they are municipalities, schools and universities, commercial farms, or business campuses. Its physical size fits within most constraints inherent in highly populated areas and the low-maintenance design ensures that you can “fly it and forget it.”

Discover the Northwind 100 and harness the most advanced technology, in its simplest form, to create solutions for your renewable energy needs.





OUR Design

The Northwind 100 is a technological masterpiece with its innovative gearless design and best in class reliability. What this means for your application is more energy and less maintenance.

➤ Originally developed with a NASA grant and designed for remote and isolated sites, the Northwind 100 put reliability at a premium. Regular and costly maintenance was not an option for applications located at the South Pole or in the Indian Ocean — let alone your farm, school or business.

Make the most of your wind. All turbines capture wind, but Northwind 100 captures it better!

➤ We **optimized performance** of the Northwind 100 for low wind speeds, so you don't have to live in a wind tunnel to benefit from wind power.

Our turbines begin making power at wind speeds as low as 3 meters per second (6 mph) and can provide clear economic benefits in all kinds of wind regimes.

➤ An engineering advancement in simplicity and precision, **our gearless direct drive technology** maximizes energy capture and outperforms conventional gearbox designs.

➤ Our **advanced blades** are fiberglass reinforced and designed in-house for maximum performance.

➤ All our turbines come standard with **SmartView**. This easy to use monitoring system provides web-based access to your Northwind 100 — so you can track power production and performance from anywhere in the world.





YOUR Solution

The Northwind 100 is the ideal choice for community applications that favor a low height profile, easy utility connect, low noise and cost effectiveness.

➤ THE NORTHWIND 100 MAKES ECONOMIC SENSE.

Even at modest speeds, the Northwind 100 can produce enough electricity to represent significant savings in utility costs. Given its 20-year design life, you can be sure that the Northwind 100 will provide long-term benefits and more than pay for itself over time.

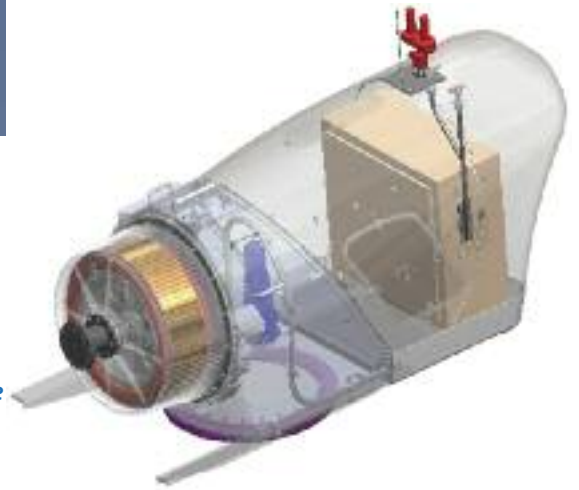
➤ THE RIGHT AMOUNT OF POWER

For many municipalities, schools, and small industrial sites, one 100 kW turbine — or a cluster of two or three — meets all their energy needs.

➤ TURN IT ON AND GO BACK TO WORK.

Our turbine is designed for ultimate reliability, so you don't have to be in the utility business or hire a team of full-time professionals to reap all the benefits of wind power.

With SmartView, you always know that your solution is working for you.



➤ THE NORTHWIND 100 IS A "READY-FOR-UTILITY INTERCONNECT" CERTIFIED PRODUCT.

With an easy grid connect and no complicated approvals or expensive interconnection requirements, it makes for an ideal choice.

➤ LOW HEIGHT PROFILE

Sitting on a standard 37-meter tower, the Northwind 100 fits neatly into most landscapes.

➤ LOW NOISE

Apparent noise levels are measured at 50 dB, which echo the sounds of normal conversations or soft music.



NORTHERN POWER: *A Wind Industry Leader*

Northern Power has been delivering innovative wind energy solutions in a changing landscape for over 34 years. The company's commitment to performance, reliability and cutting-edge technology has made it a wind industry leader. From Alaska to Malaysia, our installed base of turbines has logged almost two million kilowatt-hours of production to date. Trust your renewable energy needs in Northern Power's hands — our designs will create your solutions.

Northern | A Distributed Energy
Systems Company

CONTACT US

29 Pitman Road
Barre, VT 05641
T +01 802 461 2955
1 877 90 NORTH (toll-free)

VISIT US ONLINE AT

www.northernpower.com

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