



### **GE Introduces 2.5-120, the World's Most Efficient High-Output Wind Turbine—the First Brilliant Wind Turbine**

- *Combines World-Class Efficiency and Power Output at Low Wind Speed Sites, Delivering Lower Cost of Electricity for Customers*
- *The 2.5-120 is GE's First Brilliant Wind Turbine Integrating Energy Storage, Advanced Controls and Forecasting Algorithms*
- *Analyzing and Communicating Tens of Thousands of Data Points a Second, Driving Higher Wind Farm Output, Services Productivity and New Revenue Streams for Customers*

SCHENECTADY, N.Y.—January 31, 2013—Today, GE (NYSE: GE) announced the 2.5-120, the world's most efficient high-output and the first brilliant [wind turbine](#). The 2.5-120 is the first wind turbine to bring together world-class efficiency and power output at low wind speed sites, capturing a 25 percent increase in efficiency and a 15 percent increase in power output compared to GE's current model.

The turbine's high efficiency and high output unlock higher returns for wind farm operators at low wind speed sites. The turbine's advanced controls enable its 120-meter rotor, resulting in increased energy capture and greater power output in low-wind areas. The taller tower, which has a maximum hub height of 139 meters, makes it ideal for heavily forested regions in places like Europe and Canada.

"Our 2.5-120 is the first wind turbine that utilizes the [Industrial Internet](#) to help manage the intermittency of wind, providing smooth, predictable power to the world regardless of what Mother Nature throws its way," said Vic Abate, vice president of GE's renewable energy business. "Analyzing tens of thousands of data points every second, the 2.5-120 integrates energy storage and advanced forecasting algorithms while communicating seamlessly with neighboring turbines, service technicians and customers."

This advanced technology drives higher wind farm output than GE's current offerings, improves services productivity and creates new revenue streams for customers.

Over the past year, GE has successfully demonstrated the integration of wind power and energy storage at its facility in California, delivering predictable power to the grid. The first prototype of the 2.5-120 will be installed in the Netherlands next month.

The 2.5-120 also minimizes sound emissions to meet the strictest noise requirements through advanced controls technology. In addition, the new wind turbine is optimized for IEC Wind Class III and DIBT W22 standards. The 2.5-120 is available for 50 and 60 Hz applications.

#### **About GE**

GE (NYSE: GE) works on things that matter. The best people and the best technologies taking on the toughest challenges. Finding solutions in energy, health and home, transportation and finance. Building, powering, moving and curing the world. Not just imagining. Doing. GE works. For more information, visit the company's website at [www.ge.com](http://www.ge.com).

## About GE Power & Water

GE Power & Water provides customers with a broad array of power generation, energy delivery and water process technologies to solve their challenges locally. Power & Water works in all areas of the energy industry including renewable resources such as wind and solar, biogas and alternative fuels; and coal, oil, natural gas and nuclear energy. The business also develops advanced technologies to help solve the world's most complex challenges related to water availability and quality. Power & Water's six business units include Distributed Power, Nuclear Energy, Power Generation Services, Renewable Energy, Thermal Products and Water & Process Technologies. Headquartered in Schenectady, N.Y., Power & Water is GE's largest industrial business.

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