

# ACOUSTICS

## *Energy Assessment*

## *Type Testing & Technical Expertise*

## *Test Site Operation*

Wind turbines generate sound. It's a reality of wind energy development, generation and regulation.

**You need to make sure turbine sounds do not exceed acceptable levels. We'll help you make certain they won't.**

With windtest north-america, turbine manufacturers gain the basis for ensuring emissions are within contractually designated ranges. As an operator or owner, you'll have the information you need to protect neighbors from excessive immissions, comply with local rules and avoid the worst-case scenario, a turbine or wind farm shutdown.

We are the North American subsidiary of windtest grevenbroich gmbh, a global expert in turbine acoustic measurement and analysis, so you also get decades of industry experience behind your data.

**Sound operation and compliance.**

**By any measure, you'll be within acceptable ranges with windtest north-america.**



## WHY WINDTEST NORTH-AMERICA?

### **Accredited Expertise**

We offer accredited services in accordance with ISO/IEC 17025 and adhere to the latest national and international standards.

### **Experienced**

Our parent company, windtest grevenbroich gmbh, has been serving clients around the world for more than 20 years, and we've been engaged in North America for more than a decade. We've completed thousands of measurement and evaluation projects, including 500 acoustics campaigns.

### **Engaged**

Our specialists are members of several national and international working committees like IEC and MEASNET, so we're always able to apply the latest processes and technology advancements to your project.

### **Fast**

In the right conditions, we can complete measurements at your site in just one day.



## Who We Serve

### Original Equipment Manufacturers

We provide the data you need to enhance your prototype designs and improve the acoustic behavior of your turbines.

### Developers, Investors & Lenders

The information we provide is credible, reliable and provides a sound basis for decision making.

### Owners & Operators

You need to know the turbines are measuring up to manufacturers' guarantees. With windtest north-america, you'll have the data you need to make that determination. We also can complete precise immission measurements so you know exactly what sound levels your neighbors are experiencing.

## Proven Process

We adapt our services to your precise needs, site conditions and turbines. We also work closely with you throughout every project, from consulting with local, state and national officials to interpreting weather forecasts, and from developing and executing a measurement plan to providing a comprehensive final report.

With windtest north-america, you'll have your results quickly. To measure the required wind speed range of 6-10 m/s, variable wind speeds in a four- to six-hour period are necessary. Under those ideal conditions, we can install measuring equipment, perform noise measurements and disassemble the equipment in one day. Measuring additional operating modes might require more time.



### See How We Measure Up

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