

Energy Assessment

Prototyping &  
Testing

Grid Integration &  
Power Quality

Test Sites

Prototyping & Testing

# NOISE AND ACOUSTIC MEASUREMENTS



*windtest grevenbroich supports manufacturers, project developers, investors and authorities with acoustic measurements and noise emission reports in accordance with national and international standards and customer requirements.*

windtest grevenbroich is accredited to DIN EN ISO/IEC 17025 for noise emission measurements, noise immission measurements and noise immission forecast for industrial and commercial purposes. In addition, we are a nationwide Designated Measuring Agency for sound measurements of wind energy systems according to Section (§) 29b of the German Federal Immission Control Act [BImSchG].

We support our customers from the planning stage and permit process through to operation, ensuring that their systems perform optimally in accordance with the immission control requirements. Our exclusive advice and comprehensive measurement reports provide developers and investors with the relevant facts to make the right decision. System operators and owners, meanwhile, can verify sound pressure levels to monitor their investments.



windtest grevenbroich delivers its services underpinned by the necessary, appropriately compliant and accredited expertise. Our measurement reports also provide the basis for obtaining a type certificate.

## OUR SERVICES AT A GLANCE

- Acoustic measurements for industrial and commercial purposes
- Internationally accredited noise measurements
- Structure-borne noise measurements
- Short- and long-term measurements
- Measurements over short and long distances
- Detection of potential damage through noise and vibration measurements
- Special projects (e.g. identification of tonal sources)
- Measurement technology “as a service”
- Long-term noise monitoring



## THAT'S WHY WINDTEST GREVENBROICH!

### Accredited expert

- Accredited to DIN EN ISO/IEC 17025
- Designated Measuring Agency according to Section (§) 29b of the German Federal Immission Control Act [BImSchG]

### Approved methods

- IEC 61400-11
- ISO 1996
- FGW Guideline "TR1: Determination of Noise Emission Values"
- Technical Instructions on Noise Protection [TA Lärm]

### International experience

- More than 20 years of experience
- 2,000 noise measurement projects worldwide

### Individual solutions

- Customer and site-specific measurement concepts
- Trouble shooting

### Advanced technology

- State-of-the-art measurement technology
- Customized systems for specific requirements

### Technical expertise

- Memberships & working committees: MEASNET, IEC, IECRE, FGW

## OUR CUSTOMERS

### Manufacturers

windtest grevenbroich provides manufacturers with precise measurement data, analyses and reports they need to verify and optimize the acoustic behaviour of their products.

### System operators

Operators and owners of wind farms and industrial plants receive reliable information about the actual immissions and condition of their plants. windtest grevenbroich provides the information they need to prove compliance with immission guide values to the authorities, to detect potential damages at an early stage and to help to optimize the energy output.

## YOUR CONTACT

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