

Energy Assessment

Prototyping &
Testing

Grid Integration &
Power Quality

Test Sites

Grid Integration & Power Quality

MEASUREMENT OF ELECTRICAL CHARACTERISTICS



The increasing decentralised power generation presents a huge challenge for the energy sector. windtest grevenbroich gmbh encourages the technical developments through measuring and testing the electrical characteristics of generating units and plants on behalf of manufacturers as well as plant and grid system operators.



FRT containers for OVRT and UVRT

OUR SERVICES AT A GLANCE

- Measurements in the low, medium and high voltage range
- Calculation of performance indicators such as active, reactive and apparent power and power factors
- Power and voltage related flicker measurements
- Measurement of harmonics
- Measurement of the behaviour during grid faults: overvoltages and undervoltages (fault ride through)
- Development of concepts for measuring generating units, plants and components
- Hardware in the loop simulations
- Support on complex research and development issues
- Reports in accordance to IEC 17025



quality by any measure

www.windtest-nrw.de

THAT'S WHY WINDTEST GREVENBROICH!

Accredited expert

Grid operators and certifiers require measurements and tests by accredited service providers. We are licensed by the German Accreditation Body according to DIN EN ISO/IEC 17025.

International experience

For more than 20 years we have been taking care of the grid compatibility of decentralised generating units. Numerous manufacturers, developers as well as plant and grid operators around the globe have already benefitted from our experience.

Advanced technology

Our measuring and testing equipment is state of the art. As one of the few suppliers worldwide, we have several FRT containers to measure the OVRT and UVRT capability.

Individual solutions

Our services are always designed around the individual needs of the customer. We will clarify your specific needs before developing a customised measurement concept.

Flexibility

Situations and requirements often change over the course of a project. As established expert, we know how to respond quickly and appropriately at any time.

Recognised expertise

Our experts are active in leading national and international working groups, including MEASNET, IEC, IECRE and FGW. Your project will therefore always benefit from the latest findings and technological developments.



OUR CUSTOMERS

Manufacturers

We put your prototypes through their paces to help pave your way to the unit certificate. With windtest grevenbroich your power plant complies with current grid codes!

Grid system operators

You can only operate your power grid safely if all integrated generating units comply with the existing grid codes. With windtest grevenbroich you enforce compliance with your grid codes!

Power plant operators

In case of a post-crash measurement we determine the electrical characteristics of your power generating unit. With windtest grevenbroich you fulfil the grid operator's requirements!

YOUR CONTACT

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