



Quality by any measure

Career Opportunity Measurement & Instrumentation Technician

windtest north-america is seeking a measurement and instrumentation technician to be based in Estherville, Iowa, or Lubbock, Texas (tbd).

windtest north-america is a North American leader in high-quality, comprehensive testing, measurement, analysis and validation for clients engaged in wind energy and other industries. We work with wind turbine manufacturers, investors, lenders, developers, municipalities, colleges and universities, wind farm owners and grid operators to prove the validity, quality, efficiency, safety and long-term return on investment of their projects.

Our parent company, windtest grevenbroich gmbh in Grevenbroich, Germany, has been serving clients around the world for nearly 25 years. During that time, we've built a culture that values trust, reliability, quality, integrity, sustainability, collaboration and fair play.

At windtest, you'll be involved in something bigger than yourself. First, you'll be part of a team that pulls together to solve problems and provide precision data for our clients. Second, you'll be a key component in a larger effort to launch and maintain successful projects for our clients. Last but certainly not least, you'll be working in an industry – renewable energy – that is positively impacting the crucial global need for more sustainable forms of energy.

If our tagline, "quality by any measure," describes you, and you meet the requirements below, please [send us your resume and a cover letter](#) with "Measurement and Instrumentation Technician" in the subject line.

PRIMARY RESPONSIBILITIES

- Prepare and conduct experiments for wind turbine prototype testing and certification measurements (i.e. loads, power performance, acoustic vibrations).
- Perform extensive research and development for components needed for tailor-made measurement system setups.
- Serve as direct contact for test requestors and measurement captains.
- Create and implement processes and identify areas for improvement.
- Create, read and interpret engineering drawings, schematics and complex test procedures.
- Write procedures and technical documents.
- Research construction costs for measurement systems and specify materials.
- Set up measurement chains.
- Build and assemble measurement systems.
- Install measurement devices and systems in wind turbines and other industrial equipment.
- Calibrate test equipment.
- Conduct acceptance tests/commissioning and evaluate test results.

- Develop solutions to complex technical problems.
- Inspect and maintain laboratory measurement equipment.
- Document and report with accuracy and precision.

BASIC QUALIFICATIONS

- AA/AS degree (or other 2-year post-high-school training) in wind energy, technical studies or engineering with a minimum of 4 years of relevant experience
- OR
- In the absence of an AA/AS degree, 8 years of relevant experience
 - Strong mechanical and electrical aptitude
 - Competency in engineering fundamentals such as physics (i.e. understanding of forces/power/vibration, temperature/wind force etc.) math (i.e. algebra, geometry/trigonometry) and electronics (i.e. what is current/voltage/electromagnetic disturbance, understanding electrical circuits, Ohm's law, etc.)

ADDITIONAL REQUIREMENTS

- Enjoy and demonstrate proficiency with hands-on work
- Good technical skills – wiring, soldering, drilling, sawing, filing metal etc.
- Knowledge of measurement technologies (basic understanding of digital communication, IT networks)
- Strong attention to detail and organizational skills
- Strong trouble-shooting skills
- Ability to work under tight schedules and demanding conditions
- Strong self-reliance, ability to work well independently and as a member of a high-performance team.
- Proficient computer skills with office software applications and an ability to use basic data analysis tools
- Self-motivation and positive attitude
- A strong desire to learn and develop new skills (i.e. further electronics, programming, mechanical), with minimum supervision
- Demonstrated written and verbal communication skills, effective collaboration and teamwork, follow through and interpersonal skills.
- Good intercultural competence (working together with international team)
- Working at heights
- Required travel (approx. 30%)

PREFERRED QUALIFICATIONS

- Experience in field measurements
- High-voltage switching certificate
- Strain gauge installation skills
- Experience in measurement system monitoring

SALARY

- \$42,000 - \$55,000 depending on education and experience

BENEFITS

- Health Insurance
- Dental Insurance
- Vision Insurance
- Paid Time Off – 20 days/year *(10 more days than is typical in the industry)*
- Paid Holidays – average of 10 days/year
- SIMPLE IRA Plan
- Flexible Schedule

We look forward to receiving your application!

[windtest north-america](http://windtest-north-america.com)

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