

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

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 more than 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.

RESPONSIBILITIES

- Install and troubleshoot measurement devices and systems in wind turbines and other industrial equipment.
 - Understand and install measurement devices and systems (i.e. sensors, electrical cabinets etc.) for wind turbine prototype testing and certification measurements (i.e. loads, power performance, acoustic vibrations).
 - Troubleshoot measurement devices and systems and their connections.
- Build measurement systems for installation in wind turbines and other industrial equipment.
 - Create, read and interpret engineering drawings, schematics and complex test procedures.
 - Prepare and conduct experiments for wind turbine prototype testing and certification measurements (i.e. loads, power performance, acoustic vibrations).
 - Set up measurement chains.
 - Perform extensive research and development for components needed for tailor-made measurement system setups.
 - Research construction costs for measurement systems and specify materials.
 - Build and assemble measurement systems to include calibration, inspection, maintenance of equipment.
- Quality Management and Performance Improvement
 - Create and implement processes and identify areas for improvement.
 - Develop solutions to complex technical problems and troubleshoot when needed.
 - Write procedures and technical documents.

- Documentation and data management
 - Conduct acceptance tests/commissioning and evaluate test results with accuracy and precision.
 - Maintain laboratory and project inventory.
- Support Engineering team during measurement execution

BASIC QUALIFICATIONS

- AA/AS degree (or other 2-year post-high-school training) in wind energy, engineering or electrical technology 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
 - **candidates with skilled electrical background will be given preference
- 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.)

PREFERRED QUALIFICATIONS

- Experience in field measurements
- Industrial communication knowledge (i.e. CAN bus, Modbus)
- High-voltage switching certificate
- Strain gauge sensor installation skills
- Experience in measurement system monitoring

CANDIDATE WILL POSSESS THE FOLLOWING SKILLS AND ATTRIBUTES

- Proficiency with hands-on work
- Working at heights
- Technical skills – wiring, soldering, drilling, sawing, filing metal, etc.
- Attention to detail and organization
- Ability to trouble-shoot and think outside the box
- Ability to adhere to demanding deadlines when necessary
- Self-motivated and goal orientated to complete jobs with accuracy independently as a member of a high-performing team
- Intercultural competency (working together with international team)
- Ability to pass a pre-employment physical to safely perform job functions & meet physical demands of the position
- Ability to travel (occasionally)
- Possession of valid driver's license and ability to be insurable under our auto insurance policy
- Desire and aptitude for professional growth

BENEFITS AND SALARY

We offer:

- Excellent benefits (4 weeks of paid vacation, paid holidays, pension plan and more)
- Generous sick leave
- Competitive salary

We look forward to receiving your application!

[windtest-group](#)

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