



Position Summary:

Southwest Windpower is looking for a **Test Compliance Engineer** to serve as the company's focal point for ensuring domestic and international product compliance to internal and external requirements. Candidate will document all activities and remain current with regulatory and certification requirements, informing the company of any changes as they occur.

Ideal candidate is a natural leader with critical thinking ability who is self-directed and thrives in a fast-paced environment. This position reports to the Director of Engineering and will work closely with the Vice President of Engineering and the rest of the Engineering team to contribute to the product roadmap and to help meet the company's defined objectives.

This is an opportunity to become a key contributor at one of the most exciting companies in renewable energy.

Responsibilities:

- Design, build, conduct, and analyze various bench/lab testing, including:
 - Power electronics (AC/DC converters, inverters, rectifiers, etc.)
 - Electrical machines (PM machines, AC machines)
 - Different application loads (hybrid, water pumping, battery charging, grid-tied, etc.)
 - Different energy inputs (solar inverter, diesel generator, etc.)
- Design, conduct, and analyze various field testing, including:
 - Wind turbine controllers
 - Monitoring units – data acquisition
 - Hybrid energy systems
- Conduct compliance testing, including relevant UL / CSA / CE / IEC standards
- Prepare test documentation and reports
- Assist in creation of Application / User Manuals
- Serve as company's lead point-of-contact with certification agencies.
- Maintain documentation of standards and all test compliance activities.

Experience:

- 5+ years of demonstrated experience designing and testing against major standards

Education:

- BSc / MSc degree – preferably in Electrical Engineering

Skills:

- Extensive knowledge and experience in MS Excel and Word
- Extensive knowledge and experience in Matlab
- Experience with testing procedures / documentation
- Familiarity with testing procedures of: UL / CSA / CE / IEC standards
- Must be able to provide professional caliber documentation on work performed



- Exceptional communication skills with the ability to articulate clearly—both verbally and in writing
- Must be able to work with a wide range of work styles and expectations
- Willingness to travel and work with a global team of professionals

Other:

This position will be housed in the company's Broomfield, Colorado, office.

Background:

Southwest Windpower is the recognized global leader in the design, manufacture, and distribution of small wind systems (160-3000 watts). Since 1987, the company has pioneered the development of wind technology and has built and shipped more than 170,000 wind turbines to over 120 countries worldwide and has sales representation in over 88 countries. Applications for Southwest Windpower systems include residential homes, commercial properties, micro grids, remote cabins, telecom transmitters, offshore platforms, water pumping and sailboats. Southwest Windpower is the manufacturer of Skystream, Whisper and AIR distributed wind systems.

On the Web: <http://www.windenergy.com>

Facebook: <http://facebook.com/SouthwestWindpower>

Twitter: <http://twitter.com/swwindpower>