

## Electrical Engineer

### What's exciting about Endurance Wind Power?

Endurance Wind Power will be the global leader in distributed wind technology and products. We will provide the market the greatest return on their renewable energy investment. We are an employee-owned, engineering-driven company with a passion for business excellence. We design, test, manufacture and market the best distributed wind turbines in the world.

This is an exciting time for Endurance Wind Power as we grow our company. If you are passionate about the alternate energy market and are looking to make a difference in the fast-paced work environment, this could be a role and place for you.

**Reports to:** Technical Director

**Location:** South Surrey, BC

### What can you expect in the Electrical Engineer position?

As a part of a rapidly growing Engineering team, the successful candidate will be involved in the complete design, test, and maintain lifecycle of various small wind turbine electrical systems. Electrical sub-systems to be worked on include, but are not limited to:

- Control sensor selection and design
- Generator selection from approximately 200W to 150kW+
- Power factor correction capacitors
- Relays and contactors
- Power electronic component selection including thyristors and solid state relays
- Control cabinet electrical design and layout
- PLC system integration

The successful candidate will regularly get involved with their designs on our production floor (initial training and ongoing troubleshooting) as well as have the occasional opportunity to perform field work at our wind test site in Utah or at a customer install location.

### What kind of background is required to thrive in this position?

#### Required Qualifications:

- Technical Requirements:
  - 2-5 years of demonstrated electrical engineering experience
  - Understanding of 3-phase, low-voltage systems
  - Bachelor's degree or demonstrated equivalent in Electrical Engineering
  - Strong electrical troubleshooting skills including expert-level experience with multi-meters, clamp-on ammeters, oscilloscopes, function generators, etc.
  - Demonstrated experience with schematic capture/updating processes

- Non-technical Requirements:
  - Demonstrated ability to communicate effectively with technical and non-technical staff
  - Ability to prioritize and multi-task
  - Valid passport with no travel restrictions (occasional international travel required)
  - Valid driver’s license with no restrictions

Desirable Qualifications:

- PLC design integration experience
- Design/troubleshooting experience with low-voltage 3-phase systems
- Experience in control system design
- Working knowledge of the Canadian Electrical Code or US National Electrical Code

**What’s the Essence of this Opportunity?**

We're a dedicated team of software professionals, working on complex systems that are a core component of a renewable energy product that is literally world changing. We have an opportunity for a technically talented engineer to take on increasing responsibilities as our company and team grow.

**Ready to Join our Team?**

Please respond with cover letter and resume to [resumes@endurancwindpower.com](mailto:resumes@endurancwindpower.com). In the Subject line, kindly state your specific interest in the position, and why you feel you would be contributing member to the Endurance team. In addition, please include a summary page with the following information:

Name	
E-mail address	
Degree (Discipline, Date then school name)	
Years of electrical engineering experience	
Specific types of electrical systems you have the most experience with.	
Other electrical systems you have some experience with.	
Current city of residence	
Current industry of employment	
Single most distinguishable asset compared to other applicants for this role	