



The mandate of the **Wind Energy Institute of Canada (WEICan)** is to lead the development of wind energy in Canada through research, testing, innovation, and collaboration. WEICan has a highly qualified and diverse group of wind energy researchers, more than 40 years of meteorological data, a coastal environment, and a Wind R&D Park that consists of five wind turbines, a PV solar array, a battery, and several types of condition monitoring instrumentation.

Located on the North-West tip of Prince Edward Island, WEICan's renewable energy infrastructure serves as a research laboratory and includes over 8000 data points every second. The Institute nurtures a team of experts who provide opportunities for government, public/private sector companies, and academia to explore, demonstrate, test, and validate renewable energy technologies and concepts in a real-world setting.

WEICan owns a wind farm that is large enough in size that it has similar operational requirements and issues as other wind farms across the country. However, the wind farm is small enough that conducting research activities will not upset the grid, making WEICan a unique research institute. As a wind farm owner and operator, WEICan is motivated to perform research that is relevant to industry.

Build your career with WEICan!

WEICan has two major focuses - to maintain operation of our wind turbines, and to research, develop, and demonstrate renewable energy technologies. To support the WEICan's mission, the Institute is seeking talented staff passionate about joining a purpose-driven organization dedicated to renewable energy research. WEICan offers a range of job opportunities for people with engineering, science, and technician backgrounds. Depending on the specific job requirements, these roles may include research, project management, operations, design, analysis, or assessment.

WEICan is always looking for talented:

- Senior-Level Engineers
- Intermediate Engineers
- Junior Engineers
- Wind Turbine Technicians

WEICan is strongly committed to upholding the values of Equity, Diversity, Inclusion, and accessibility (EDIA). WEICan recognizes that the science and technology community and culture tends to be exclusionary to traditionally underrepresented groups (those who identify as women, racialized, LGBTQ2S+, Indigenous, and/or people with disabilities). By acknowledging the challenges to EDIA that exist in the science and technology culture, WEICan strives to support and promote a diverse and inclusive culture for all.

Engineers

Engineers at WEICan contribute to the development, implementation, and ongoing operation of research, testing and technology development projects. Engineers also support operational performance of WEICan's Wind R&D Park. Graduate degree in Electrical Engineering is preferred. Undergraduate, other engineering disciplines, or other comparable degrees (e.g. Physics) may also be considered.

Wind Turbine Technician

A Wind Turbine Technician is responsible for operation and maintenance of wind turbines, test systems, and associated components. This includes scheduled and unscheduled maintenance, analyzing, troubleshooting, and repairing mechanical and electrical aspects of wind turbines and their subassemblies and related components. Qualifications in electromechanical technology, electrician, instrumentation, mechanic, or wind turbine maintenance are an asset for this role.

Reach out!

If you have an interest in any of these positions and match any of the following areas, consider submitting your resume to Marianne.Rodgers@WEICan.ca.

- Experience in wind systems
- Understanding of the electricity grid
- Experience in team management
- Experience in an energy-related field
- Experience in electrical/mechanical instrumentation design and implementation
- Experience in engineering research
- Experience in building and planning utility-scale energy-related projects
- Knowledge of data analysis and modelling, and vibration analysis techniques
- Knowledge of industrial control technologies
- Experience working with utilities
- Relevant experience in electrical systems
- Experience in programming
- Experience in instrumentation, digital control systems, and data acquisition systems
- Experience in project management
- Knowledgeable in CSA, CEC, and the IEC wind turbine standards
- Knowledge of computer systems, MS Office and CAD software packages
- Excellent communication skills