

**“WEICan will advance the development of wind energy across Canada through research, testing, training and collaboration”**

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## WEICan's Four Areas of Strategic Focus Include:

- Testing Leading to Certification
  - Research, Development and Demonstration
  - Training, Outreach and Public Education
  - Technical Consultation and Assistance
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### Testing Leading to Certification

Having signed a cooperation agreement with DEWI (German Wind Energy Institute) to assist in this area and building on our existing world-class reputation, with access to a formidable wind resource and our state-of-the-art infrastructure, WEICan is an excellent choice for testing wind systems of any size. Tests may be conducted at our facilities in PEI or at any location in North America. Five small wind turbine manufacturers have been chosen for Testing Leading to Certification, the result of a RFP.

### Research, Development and Demonstration

WEICan is a highly collaborative organization which undertakes RD&D across a broad spectrum of activities: distributed generation, small wind turbines, forecasting, wind-diesel systems for remote and off-grid applications and wind-hydrogen applications. WEICan actively seeks opportunities to work with partners in the development of technology and applications in these and other areas.

### Training, Outreach and Public Education

WEICan strategically supports college and university wind energy training programs and engage in outreach and public education efforts to support our mission.

### Technical Consultation and Assistance

WEICan provides fee for service technical consultation in niche areas related to WEICan's activities in RD&D, testing and training.



### Location

WEICan's location at North Cape, Prince Edward Island, Canada, with 300 degree exposure to the Gulf of St. Lawrence is unique in Canada. Our site offers:

- IEC Class 1 wind resource with relatively low turbulence
- A harsh marine environment with high corrosion rates
- Icing events during winter months
- Large winter/summer temperature gradients
- Access to the North Cape 10.56MW Windfarm located adjacent to WEICan

### Staff

WEICan has built an enviable team of highly skilled and experienced technical specialists as well as a collaborative network of academics and industry professionals that covers much of North America. Our people are dedicated to the development of wind energy. We are here to assist in all aspects of testing, development and demonstration. WEICan offers a Visiting Professor Program (for details [www.weican.ca](http://www.weican.ca)).

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**WEICan is mandated to assist industry with technical innovation at the leading edge of the wind energy industry; a human resource team with years of experience, an excellent wind resource and state-of-the-art facilities achieves this goal**

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### Building on a long history in wind energy development in Canada:

- 1981 - Creation of the Atlantic Wind Test Site (AWTS)
- 23 wind turbines have undergone testing at North Cape
- Recognized pioneers in wind diesel technology; with a world class wind diesel test bed
- 2006 - AWTS was devolved into the Wind Energy Institute of Canada



### For More Information:

Wind Energy Institute of Canada  
21741 Route 12  
North Cape, Prince Edward Island  
Canada C0B 2B0

Phone: +1-902-882-2746  
Fax: +1-902-882-3823

Website: [www.weican.ca](http://www.weican.ca)  
Email: [info@weican.ca](mailto:info@weican.ca)