



Engineer at Boralex since 1996, was involved in the construction and commissioning of a large number of renewable energy power stations located in Canada. Responsible for the development and commissioning of renewable energy power stations. Has extensive experience of high and low voltage installations connected to the Hydro-Québec power grid, Hydro One and BC Hydro.

EDUCATION

BA, Electrical Engineering Major, Industrial system controls and information technology	1995
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École de Technologie Supérieure, Montreal, Quebec

College Diploma Major (Electronics)	1991
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Drummondville CEGEP, Drummondville, Quebec

WORK EXPERIENCE

Technical Director, Boralex – Kingsey Falls	1996 – Present
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DUTIES:

- Coordinate the detailed design and construction of electric power station up to 315 kV and up to 350 MW
- Manage wind measurement assessment, including the selection, configuration and erection of the towers, validation of the final instrument positions, remote communication and on-site monitoring
- Coordinate the preliminary and detailed design for the electrical system for wind farms from 10 to 350MW
- Coordinate the process of integration with the utility on distribution and transmission system in different jurisdiction in Canada
- Oversee the design, installation, start-up and enhancement of several independent electrical supply systems with small wind turbines, solar panels, batteries and charge controllers
- Design of an independent wind measurement system for use with meteorological towers of heights from 50 - 100 meters
- Supervise the design of programmable controllers, start-up of a biomass power station with a capacity of 36 MW
- Improve and maintain mini-hydroelectric power stations
- Improve and maintain a natural gas cogeneration power station
- Successfully complete mini-hydroelectric power project
- Construction specification and supervision of 9 RESOP project in Ontario
- Design review of electrical system for 9 RESOP project in Ontario
- Connection process management for 9 RESOP project in Ontario

SPECIAL KNOWLEDGE

- Standards: IEC-61400-12, IEA Annex 11
- Software: EasyPower 8.0.2, WindPro 2.4, Wasp 8.0, Nomad2 Desktop V1.0.11, PC208 V3.3, Symphonie Data Retriever
- Schneider Unity Concept
- Data loggers: Campbell Scientific CR10X, Second Wind Nomad II, NRG Symphonie
- Languages: Visual Basic, C, C++, Operating systems: MAC OS , Windows
- Courses in major: Energy Transmission Systems, Image Analysis and Processing, Notions in Robotics, UNIX Operating System and Environment, Real Time Computer Controlled Systems, Local Protocols and Networks
- Programmable Controllers: Modicon (Quantum, Momentum), TI/SIEMENS (500,505), SquareD, GE Fanuc

PROFESSIONAL ASSOCIATION

- Ordre des ingénieurs du Québec
- Professional Engineer of Ontario
- Professional Engineer Alberta

LANGUAGES

- French, expert
- English, advanced