

Robert Poirier
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RÉSUMÉ

Robert Poirier obtained his engineering degree at Sherbrooke University. He is a professional mechanical engineer with over 28 years experience in the reliability and efficiency of rotating equipment and the following services: compressed air, pumping facilities, cooling, heating and vacuum systems for industrial facilities.

Expertise was acquired with equipment manufacturers and the achievement of industrial projects such as Hibernia. Since 1994, he has also completed more than 92 energy audits and studies, representing 215 000 HP in equipment, where an average of a 20 % energy reduction could be achieved with a ROI of less than two years

PROFESSIONAL MEMBERSHIPS

- Association of Energy Engineers
- Pulp & Paper Canada Technical Association
- Ordre des Ingénieurs du Québec
- Association québécoise de la maîtrise de l'Énergie

EDUCATION

1979 **DEGREE IN MECANICAL ENGINEERING**
Sherbrooke University, Sherbrooke, Qc

1976 **AERONAUTICAL TECHNICIAN**
Cégep Edouard-Montpetit, St-Hubert, Qc

EXPERIENCE

1992 -	R.O. Poirier inc.	Project engineer in energy efficiency
1991 - 1994	Hibernia Project	Senior rotating equipment engineer
1984 - 1991	R.O. Poirier inc.	Consultant in vibration analysis

1980 – 1984
air compressors

Ingersoll-Rand

Sales engineer in processing and

CERTIFICATIONS

- C.E.M., Certified Energy Engineer by the Association of Energy Engineers, 2005
- CMVP, Certified Measuring Verification Professional, The Association of Energy Engineers, 2008
- Recognized instructor, by the Association of Energy Engineers, 2007 to teach CEM course
- Certified trainer, Société québécoise du développement de la main-d'œuvre, Québec Government.

COURSES GIVEN

- Industrial engineering, École Polytechnique de Montréal, 1987 to 1993
- Reduction of compressed air leaks, 1992
- Reliability of compressed air systems, recognized by the Canadian Engineering Institute, for 1.6 CEU
- C.E.M. in Montréal, Qc

PERSONAL ACHIEVEMENTS

- Creation of a training manual and demonstration workshop for compressed air course for the Hydro-Québec SPVC program.
- Performance measurements of compressors and level of leaks for the Hydro-Québec SPVC program.
- Setting up of techniques and methods for efficiency measuring of pump, ventilation and compression systems.
- Completion of over 92 energy studies.
- Implementation of measures to increase efficiency and reliability of compressed air systems.
- Realization of industrial projects for the reduction of municipal water use and waste.
- Responsible for the conception of injection pumps, generators and oxygenated water system for the Hibernia Project.

- Case study published by the Office of Energy Efficiency (OEE) for an efficiency project achieved at the Kruger company. Available on internet at:
<http://oee.nrcan.gc.ca/industrial/technical-info/index.cfm?attr=24>
- Work published by 'L'Agence de l'Efficacité Énergétique du Québec' for industrial savings with compressors. Available on internet at:
www.aee.gouv.qc.ca/industries/innovations/innovations.jsp#aircompr

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INFORMATICS

MS Office, Autocad, Trend Reader(ACR)

HOBBIES

Sailing, hockey, golf.