

CAREER OPPORTUNITY

Mechanical Systems Professional / Engineer

Are you interested in joining an organization that's passionate about helping Manitobans save energy, money, and the environment?

Efficiency Manitoba is our provincial Crown corporation focused on working with Manitobans to reduce electricity and natural gas consumption in homes, businesses, and communities across the province.

We're a dynamic, nimble, action-oriented, and transparent organization that fosters positive engagement, creativity, and diversity across our team and with those we work with.

We're currently recruiting for a full-time, permanent position of Mechanical Systems Professional / Engineer.

POSITION OVERVIEW

As a part of a strong, multi-disciplinary technical team, and reporting to the Strategic Initiatives Technical Lead, the Mechanical Systems Professional / Engineer will work with the design and building community in the commercial, institutional, and residential sectors. The focus of this position is the application of all types of energy efficient mechanical systems, including but not limited to air and ground source heat pumps as well as district energy systems, in the pursuit of energy and peak demand savings for high-performance buildings in Manitoba.

RESPONSIBILITIES

- Provide mechanical systems focused technical support for energy efficiency and demand side management programs relating to their development, oversight, maintenance, promotion, and delivery.
- Provide technical support for programs including review of engineering calculations, drawings, equipment specifications and other materials related to program applications as well as preparation of calculations related to energy savings and incentives.
- Respond to participant inquiries as they relate to program technical issues in a professional and helpful manner.
- Review mechanical system drawings, specifications and reports to identify

energy efficiency opportunities specific to heating, ventilation and air conditioning systems and associated controls.

- Safely conduct on-site visits to customer premises to identify energy efficiency opportunities, review program compliance of installed technologies, assist in troubleshooting and optimization of system performance.
- Provide engineering expertise in mechanical systems investigations, coordination of field measurements, and preparation of technical analysis.
- Assist in the technical review of energy models and energy audits where applicable.
- Provide technical review of proposals involving novel approaches and emerging technologies within submissions to the Efficiency Manitoba Innovation Fund, as assigned by the Technical Lead.
- Provide technical support for the development of educational materials and presentations, guidelines, standards, codes and policy.
- Collaborate and communicate with internal and external stakeholders, such as customers, utilities, consultants, vendors, and contractors.
- Participate as an active/contributing member in industry organizations and associations to develop and maintain strong working relationships with the design community, trade allies, customer segment representatives, and Municipal, Provincial, and Federal government departments as required.
- Provide customer engagement including customer and market sector research, lead generation, customer qualification and correspondence, customer and industry presentations, building and technology assessments, proposal preparation and presentations, project monitoring, and follow-ups.
- Keep abreast of codes, standards, trends and new developments in innovative technologies. Conduct research and analysis of emerging technologies under the direction of the Technical Lead.
- Maintain and enhance mechanical systems knowledge and expertise within Efficiency Manitoba through professional and educational development.
- Develop and deliver technical educational presentations to both internal and external stakeholders.
- Review and provide feedback on technical matters related to external evaluation activities.
- Occasionally required to travel and attend meetings and functions outside of normal working hours.

REQUIREMENTS

- A four-year degree from a university of recognized standing majoring in Mechanical Engineering, plus a minimum of four years of directly related

experience.

or

A related two-year diploma, typically mechanical technology, from an institute of recognized standing and a minimum of six years of directly related experience demonstrating the required skills and abilities for the position.

or

An equivalent combination of related education and work experience.

- Minimum of two years of related building energy efficiency experience.
- Eligible for registration with Engineers Geoscientists Manitoba, or CTTAM or other related professional association.
- Certifications in energy efficiency, sustainability, mechanical design and commissioning fields such as BCxP, BEMP, CBCP, CMVP, CEM®, LEED® BD&C and/or professional certifications are an asset; please provide relevant certificates of qualification.
- Proven experience in design and review of HVAC mechanical system and controls.
- Proven experience in commissioning and troubleshooting mechanical systems with building owners, managers and contractors.
- Good working knowledge of mechanical engineering principles as they relate to building mechanical systems and energy efficiency.
- A diversity of experience with both commercial and residential mechanical systems is an asset.
- Working knowledge of the National Energy Code for Buildings and National Building Code are an asset.
- Familiarity with ASHRAE / CSA standards related to mechanical systems are an asset.
- Proven ability to independently plan, organize and manage multiple projects while meeting deadlines and commitments.
- A general working knowledge of mechanical system and/or building energy modelling, CAD and BIM applications, building automation and control systems, energy monitoring, and Python scripting would be considered an asset.
- Demonstrated diplomacy and tact with proven capability to work effectively in a team environment and communicate with all levels of internal and external stakeholders.
- Collaborative and team-oriented approach to work with excellent written, oral, and interpersonal communication skills, both in person and virtually.
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, SharePoint, Teams, OneNote).
- Effective time management skills and ability to shift focus between a multitude of projects and priorities.
- Must possess a valid Manitoba driver's license.

We're proud to offer and foster a supportive and team-oriented work environment. We offer a competitive compensation package, which includes a defined-benefit pension plan and access to a comprehensive health benefits plan. We provide the opportunity for virtual work arrangements, and have a nine-day work cycle which normally results in every other Monday off.

Position title, classification and compensation will be commensurate with education, experience, and qualifications of the successful applicant. The salary range for this position ranges from \$70,916.59 to \$107,450.86 annually. Please note that only candidates with a recognized engineering degree and professional engineering registration (P.Eng.) in Manitoba will be eligible for the upper end of the salary range

At Efficiency Manitoba, we're committed to creating and maintaining a safe, equitable, and inclusive work environment. Women, Indigenous peoples, persons with disability, and members of visible minorities are encouraged to self-declare in their application. Reasonable accommodations are available to applicants who may experience a barrier arising from a protected characteristic(s) identified in The Manitoba Human Rights Code. Please let us know if you require accommodations during the recruitment process.

We encourage interested candidates to apply by emailing their application including their qualifications and relevant experience to careers@efficiencymb.ca no later than Tuesday, September 10, 2024 Please reference the position title in the subject line of your email.

We thank all candidates who apply, however, only those selected for an interview will be contacted.

For more information on Efficiency Manitoba, candidates are encouraged to visit our website at efficiencyMB.ca.