Manitoba Hydro
energy for life

EMPLOYMENT OPPORTUNITY

Closing Date: 25.03.2024

PROFESSIONAL ENGINEER (ELECTRICAL)

WINNIPEG, MB

Manitoba Hydro is consistently recognized as one of Manitoba's Top Employers!

Great Benefits

- Competitive salary and benefits package.
- Defined-benefit pension plan.
- Nine-day work cycle which normally results in every other Monday off, providing for a balanced approach to work, family life and community.
- Flex-time and partially remote work schedule (providing the option to work remotely 3 days per 2 week period), depending on nature of work, operational requirements and work location.

Manitoba Hydro is a leader among energy companies in North America, recognized for providing highly reliable service and exceptional customer satisfaction. Join our team of Manitoba's best as we continue to build a company that supports innovation, commitment and customer service.

We are seeking an Electrical Engineer to join our team at the Power Systems Technology Centre (PTC), a department of Manitoba Hydro International Ltd. PTC is a world leader in electrical power simulation, applied power systems analysis, and related technologies. PTC develops and markets a variety of products, including PSCAD™/EMTDC™, a renowned power system simulation software. PTC offers clients an experienced team of engineering professionals that have a wide range of experience in providing solutions to the global power industry. PTC has leading experts in the field of HVAC and HVDC transmission who provide unique expertise in engineering studies, equipment specifications, and maintenance and system operation.

Reporting to the Manager, System Studies, you are responsible for performing engineering consulting studies and user technical support of all MHI software products, primarily PSCAD™/EMTDC™. In addition, you will be involved in developing new tools and methodologies to enhance existing products as well as study procedures.

Responsibilities:

- Participate in engineering consulting study projects as directed by the Manager, System Studies. You are expected to develop expertise in relevant software platforms, including PSCAD™/EMTDC™, PSS®E, Dig SILENT™, DSA Tools™ and Python, FORTRAN, and MATLAB applications.
- Perform due diligence on data provided by the client.
- Develop study methodologies and simulation models and perform studies as required.
- Provide/review technical reports on study outcomes.
- Participate in regular team and client meetings.
- Participate and perform assigned software development tasks.
- Keep abreast of technical developments in power systems, including AC, DC, power electronics, distribution systems, and related fields.
- Responsible for answering user support queries in accordance with software maintenance and support agreements and preparing documentation and associated support material.

Qualifications:

- Graduate in Electrical Engineering from a recognized University with a minimum of four-years of experience in a related engineering field (Power generation, transmission, or distribution).
- A MSc or Ph.D. in Electrical Engineering is an additional benefit.
- Must be a member in good standing with Engineers Geoscientists Manitoba.
- Demonstrated ability to use computer programs intended for power system simulation effectively.
- Be self-motivated and have strong interpersonal and communication skills, both verbally and in writing.
- Have a demonstrated ability to organize, facilitate, and instruct seminars and formal courses.

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- Required to travel by all modes of transportation (i.e. air, land, and water).

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is $41.15 - $56.78 Hourly, $78,851.50 - $108,804.02 Annually

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.
The deadline for applications is MARCH 25, 2024.

We thank you for your interest and will contact you if you are selected for an interview.

This document is available in accessible formats upon request. Please let us know if you require any accommodations during the recruitment process.
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