

JOB OFFER no. MTL-2021-09

Mechanical Engineering

Hydromega Services Inc., an independent renewable energy producer, develops, owns and operates power generation plants in Ontario and Quebec (mainly hydro but also thermal). Hydromega Services Inc. currently has an opening for a Mechanical Engineer at its head office in downtown Montreal. The selected candidate will be hired as soon as possible.

Under the authority of the Maintenance and Major Projects Manager, the Mechanical Engineer provides technical support and project management mainly in the mechanical field of turbo machinery and auxiliary equipment of the company's power generation plants. In this regard, the Mechanical engineer will take charge of multitude of improvement and repair projects. He/she will be involved in every step of the process from planning, design, calculations, diagnosis, start-up and effective execution of these projects. More specifically he/she will assess needs, define technical requirements, write technical specifications, develop solutions, produce calculation notes, identify suppliers, carry out work follow-up and quality control, and review technical documentation. These projects will involve equipment such as gas turbines, turbo-alternators, hydroelectric generating sets, piston engines, hydraulic bearings, bearings, auxiliary equipment, lifting devices, HVAC, piping, etc.

The Mechanical Engineer may, on occasion, be delegated to supervise a small major maintenance team at the site composed of Hydromega employees and subcontractors.

Education and Abilities

Profile:

- Mechanical engineer, member or in the process of being a member of the Ordre des Ingénieurs du Québec or of Ontario;
- 3 to 7 years experience in resistance of materials, mechanical design or hydraulic systems, ideally in the field of turbomachinery, renewable energy or heavy industry;
- Demonstrated experience in basic resistance of materials, hydraulics, fluid mechanics and thermodynamics calculations.

- Able to work with vendors to go out and get information and then evaluate on their own and with the team what is right for the company;
- Knowledge of current mechanical engineering practices including design standards, project management practices, safety codes and MS Office Suite software;
- Experience in managing employees and work teams will be considered an asset;
- Knowledge of hydroelectric power plants, plant engineering, electrical engineering and automation desirable, but not required.
- Knowledge of drafting software (AutoCad), finite element analysis of structures will be considered an asset.
- Fluency in French and English (verbal/written).

Abilities:

- Plans and executes work independently;
- Makes appropriate recommendations based on analysis, problem solving, experience and judgment;
- Pays close attention to the quality, thoroughness and detail of work performed;
- Is able to work cooperatively, respects others and easily gains their trust and support; is quick to find common ground and resolve problems;
- Is not disturbed by unexpected situations and knows how to work without having all the information;
- Works methodically, organizes tasks and information, manages priorities;
- Is able to respect the physical requirements of the position such as working in high or deep places and in confined spaces;
- Possesses a valid driver's license with a driving record that allows for insurance coverage;
- Impeccable integrity that can be validated by a security screening.

The position is based in downtown Montreal and the candidate must be willing to travel approximately 25% of the time for periods exceeding 3 days.

Terms of employment

A competitive salary and a range of benefits will be offered to the chosen candidate.

Candidates wishing to apply for the position can send their resume and cover letter to the following email address: general@hydromega.com

Please include the job reference number in you email.