



# Head of Engineering

## Position summary

Moltex is a private company developing new, economic nuclear reactor technologies for broad international deployment. Moltex's aim is to produce clean nuclear power at a lower cost than competing fossil fuels. The Head of Engineering will join the team based in Saint John, New Brunswick and support activities across Canada, the UK and internationally. The team is growing, with a major focus on developing and deploying FOAK units in New Brunswick.

**Position:** Head of Engineering

**Status:** Permanent, full-time

**Location:** Saint John, NB, Canada

**Reports to:** Chief Operating Officer

**Apply:** Please submit a resume and cover letter to [careers@moltexenergy.com](mailto:careers@moltexenergy.com) and indicate the job title in the subject line.

## Responsibilities

The Head of Engineering will lead North American design engineering activities, including design of the Stable Salt Reactor - Wasteburner (SSR-W) and Waste To Stable Salt (WATSS) spent fuel recycling facility – from concept stage to engineering and Phase 2 of the CNSC's Vendor Design Review. The successful candidate will lead a balanced design engineering team, ensuring all elements of the plant design are accounted for and taken forward in accordance with classical engineering best practices. A deep understand of the design of a nuclear power plant is vital for success.

The Head of Engineering will report to the Chief Operating Officer and work alongside the Head of Licensing & Regulatory Affairs, the Head of R&D, and the SSR-W and WATSS Project Directors to ensure the team has the required thought leadership and engineering support to conduct necessary experiments and prepare licensing applications. The successful candidate will recruit specialist expertise and source external support where required.

While a plus, it is not expected that the Head of Engineering will have prior experience with molten salt reactors, but knowledge of commercial reactor design and licensing is essential.

The successful candidate will:

- Provide technical management of a project portfolio and the resources to meet the technical and quality requirements of defined tasks and deliverables
- Analyze and define technical solutions to meet design project requirements
- Direct, guide and mentor technical teams throughout the delivery of products and services
- Review and approve technical submissions
- Facilitate technical integration across service tasks to enable synergies and transfer of knowledge and experience
- Support Moltex in technical discussions and interfaces with customers and the nuclear regulatory authority
- Support and mentor the customer as a nuclear 'learning organization'
- Be available to the customer on an informal basis to provide guidance on strategy and the delivery of complex engineering solutions involving multiple inputs and phases



- Ensure compliance with internal procedures, technical standards, and Canadian and international standards as appropriate
- Oversee the search and selection of personnel, with support from the leads of the different engineering teams
- Develop optimal work teams and pursue continuous improvement

## Skills, qualifications & experience

Moltex is looking for an innovative individual who is open to new ways of thinking; someone with a passion for doing things differently and economically while ensuring nuclear safety requirements are met. Moltex is interested in hiring a thought leader with excellent interpersonal skills, the ability to lead and build teams, who will question and be frank with colleagues, but is also willing to learn and solve problems.

Essential:

- Passion for working in and creating a dynamic work environment that energizes teams to change the world
- Advanced degree in a relevant engineering discipline
- Significant experience in engineering delivery
- Proven experience in building and managing multi-disciplinary engineering teams and subcontractors
- Significant nuclear experience, preferably in a nuclear new build environment

Desired:

- Ability to work with diverse stakeholders, including suppliers and subcontractors
- Familiarity with the technical concepts of generation IV reactors
- Supplier management experience

## What Moltex offers...

Moltex boasts a diverse team of professionals collaborating daily across time zones. For those on board, it is going to be a challenging and rewarding journey. The office is in the city centre with various nearby amenities. Moltex employees have access to a full range of benefits including:

- Paid vacation and personal days
- Flexible work environment
- Learning and development resources
- Excellent growth opportunities
- Optional compressed work week
- Medical, dental and vision
- 13 statutory and other holidays
- Complimentary refreshments

**Moltex is an equal opportunity employer.** Moltex prides itself in having a team that promotes diversity, inclusion, leadership, mindfulness, high initiative, energy and passion.