



Moltex Energy Job Description

Job title: Lead Chemical Engineer

Job location: Saint John, Canada

Assignment: Permanent, full-time

Job purpose:

Act as the subject matter expert and lead the design of Moltex's WASTE to Stable Salt (WATSS) fuel processing facility. Lead the development of the chemical separation process and the integration of the systems and components of the facility. Lead a team of engineers and scientists to complete the facility design.

Duties and tasks:

- Develop the processes that are feasible at an industrial scale based on fundamental and applied research.
- Establish design criteria for the WATSS facility based on regulatory and business requirements, and integrate required technologies into the facility.
- Develop system descriptions and component specifications and define the interfaces between systems and components.
- Evaluate the feasibility of the system or component designs that are delivered by in-house teams and suppliers, and identify research and development needs.
- Perform hazard analyses to identify internal and external facility hazards.
- Interact with engineering service companies, manufacturers, research teams, regulators, and stakeholders.

Skills, qualifications and experience:

Essential:

- Advanced degree in chemical/process engineering or similar engineering discipline.
- 10+ years experience in chemical engineering or process engineering.
- Experience in facility or process design.

Desired:

- Knowledge of radiochemistry or pyro chemistry, material and corrosion.
- Experience in applying industrial standards and codes.



- Supplier management experience.

Behavioural skills and personality:

The ideal candidate will be:

- A strong problem-solver.
- An effective leader and communicator.
- Someone who takes initiative and is delivery-focused.

Remuneration:

Negotiable based on experience.