



Moltex Energy Job Description

Job title: Chemical Engineer

Job location: Saint John, Canada

Assignment: Permanent, full-time

Job purpose:

Lead the chemical engineering and design of Moltex's Stable Salt Reactor – Wasteburner (SSR-W) and WASTE to Stable Salt (WATSS) fuel processing facility. Develop the chemical separation processes and the integration of the systems and components of the WATSS facility, as well as support the reactor design team as needed.

Duties and tasks:

- Develop the chemical processes to achieve the WATSS concept at an industrial scale based on fundamental and applied research.
- Establish design criteria for the WATSS facility based on regulatory and business requirements.
- Perform hazard analyses to identify internal and external facility hazards.
- Develop and adhere to schedules and budgets for all engineering and design tasks.
- Conduct technical assessments and manage engineering service companies, manufacturers and research teams.

Skills, qualifications and experience:

Essential:

- Master's degree or higher in chemical/process engineering or similar engineering discipline.
- 5+ 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 communicator.
- A collaborative team member.

Remuneration:

Negotiable based on experience.