

## Development Engineer

### Position summary

The Development Engineer will support the development engineering team in the design, procurement, operation and maintenance of laboratory experimental platforms used in the development of Moltex's Stable Salt Reactor (SSR). The successful candidate will work closely with other Moltex team members. This job requires effective working relationships with internal and external teams, including neutronics, molten salt chemistry, materials science and manufacturing.

**Position:** Development Engineer

**Status:** Permanent, full-time

**Location:** Birchwood, Warrington, UK

**Reports to:** Senior Mechanical Engineer

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

### Responsibilities

The Development Engineer will support the design and development of SSR components from concept to final production versions. The candidate will:

- Lead the mechanical design of experimental lab rigs
- Support development engineers in the development of SSR components
- Aid in the progression of identified R&D programmes
- Liaise with suppliers to ensure timely delivery of products and services in support of R&D programmes
- Contribute to the technical assessment and management of subcontractors
- Provide regular progress reports

### Skills, qualifications & experience

- Degree qualified mechanical engineer, or similar
- Broad science and engineering appreciation with the demonstrable ability to understand other disciplines and effectively apply this to development and design work
- Demonstrable experience of scheduling and time management of deadline-driven tasks within a work package
- Experience designing, constructing and operating experimental rigs, as well as managing the resulting data effectively would be highly desirable
- Experience using CAD packages for mechanical design
- A good understanding of the principles of solid mechanics, thermodynamics and fluid mechanics
- Knowledge of the principles of nuclear reactor design considered an asset
- Experience using and applying CFD and FEA software packages considered an asset

### Behavioural skills & personality

Moltex's mission is to bring SSRs to market as quickly as possible. To achieve this, the successful candidate will need to be:

- A curious individual with the desire to understand the broader science and technical aspects of the technology



- A practical problem-solver who is driven to find simple solutions and not over-complicate design and development work
- Delivery-focused and technically strong
- An excellent team worker who integrates well with other team members so “the whole is greater than the sum of its parts” and ensures progress of the reactor design as a whole
- An adaptable and flexible individual who is comfortable in a rapidly growing and changing company

## 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 Birchwood, Warrington with various nearby amenities. Moltex employees have access to a full range of benefits including:

- Learning and development resources
- Excellent growth opportunities
- 25 days annual leave
- 8 statutory holidays
- Company pension scheme with options
- Free, secure onsite parking
- Close to travel networks and within walking distance of Birchwood station

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