

Chemical Engineer - Geothermal Lithium Plant

Geothermal Engineering is developing the first geothermal power plant in the UK at its site in United Downs near Redruth, Cornwall. Two deep wells have been drilled and developed and the power plant will shortly move into the construction phase. We are also now planning to build a lithium demonstration plant using the naturally occurring lithium resource in the geothermal brine. An opportunity has arisen for a chemical engineer to provide a key role in the execution of the lithium project.

The ideal candidate will be a chemical engineer with experience of delivering similar chemical processing or hydrometallurgical plants. The chosen candidate will need to have a suitable degree level qualification and at least five years' work experience in a similar environment. While it will not be a pre-requisite to have experience in lithium processing, some knowledge in critical mineral exploitation would be beneficial.

This will be an important role within a team focused on demonstrating how Cornwall can be at the forefront of lithium production in the UK. The person will need to adopt a positive, proactive and methodical approach to the development of the lithium project.

The position will be full-time and based in Cornwall. The candidate will need to demonstrate the following:

- Experience of working in chemical process engineering in a similar industry.
- Familiarity with the development of new and innovative technical processes.
- Ability to plan the route to commercialisation of R&D equipment combined with tried and tested processes.
- Contributing towards design development of entire process chains.
- Ability to understand chemical interactions in new processes and plan ways to mitigate results.
- Evidence of risk assessment techniques and development of processes with full adherence to best practice in health, safety, and environmental procedures.
- Management of laboratory processes.
- Familiarity with Direct Lithium Extraction methods such as ion-exchange or absorption.

Desirable Qualities

- Interest in renewable energy and Cornwall's move to net zero carbon by 2030.
- Work well in growing results driven team.
- Ability to learn new processes and apply these to company strategy in a fast-moving environment.
- Capable of working to tight deadlines and budgets.

Key Responsibilities:

- Development of lithium process demonstration plant.
- Management of hydromechanical consultants and contractors
- Contribute towards design and construction of lithium plant.
- Management of the creation and operation of laboratory facilities
- Appropriate health and safety management

Salary and Hours

The company will offer a competitive salary and benefits based on the candidate's skills and experience for this exciting new role.

To apply for this role, please send your CV and cover letter to jobs@geothermalengineering.co.uk with the subject 'Chemical Engineer Application';