



Engineering Specialist – Geomechanics

Eavor Technologies Inc. is seeking a high performing, entrepreneurial Engineering Specialist in geo-mechanical modelling. Working within a multidisciplinary international team you will use your technical expertise, initiative, and problem-solving skills for applied research to deploy the world's first closed-loop geothermal systems. The successful candidate will have deep technical knowledge in Finite Element Analyses (FEA) for geomechanical modelling and ability to apply those skills to projects in North America, Europe, and Asia. There is ample potential for career growth in our rapidly expanding technology start-up.

Eavor provides a competitive compensation package, and for this position we are flexible with employee or consulting contracts.

Roles and Responsibilities

- Work with the Geoscience, Engineering, and Sales team to advance projects through the project cycle by assessing geomechanics and optimizing well design
- Working with Eavor technical advisors, use open source, commercial software, or develop custom code to analyze geomechanical challenges.
- Integrate multidisciplinary information to build FEA models for various projects/scenarios, integrating uncertainty into the analysis
- Research novel well designs and drilling/completion technology for closed-loop geothermal
- Provide technical support and information to Sales or Joint Venture discussions with various partners and clients
- Write Technical Reports, and make presentations, outlining the key items for partners and management

Qualifications

- Minimum 4 years professional experience in applied geomechanics in petroleum or geothermal industries (academia is also considered)
- Minimum Bachelor of Engineering Degree or similar STEM degree
- MSc or PhD in Engineering with specialty in FEA modelling is an asset
- Experience writing engineering code is a necessity
- Experience or ability/willingness to learn CFD FEA modelling an asset
- Experience or ability to learn how to run parallel codes an asset
- Proven Analytical and problem-solving capabilities
- Excellent communication abilities

About Eavor Technologies Inc.

Eavor (pronounced “Ever”) is a private company founded in 2017 to develop and commercialize disruptive geothermal technology. We mobilize cutting edge oil and gas technology, along with some proprietary solutions, to create the world's first closed-loop geothermal system. Eavor has successfully built a prototype demonstration facility (“Eavor-Lite”) in Alberta along with our partners. Working with clients and partners, we are progressing a pipeline of commercial projects in Europe, Canada, United States, and Japan.