



TECHNICAL SAFETY ENGINEER - CONTRACT

Location: Remote

Requisition ID: 1005

Department: Projects

Are you ready to explore the art of the possible?

Imagine a work environment where you are encouraged to dream big, think outside the box and integrate with others to transform the future. That's Cerilon.

We exist to provide energy transition solutions and expertise to help create a better future. We are driven by this purpose as we apply our pillars of leadership, ownership, stewardship, and excellence to our work. We are currently progressing with our foundational project, which is an innovative gas-to-liquids facility to be built in North Dakota. Our globally dispersed team has exceptionally deep expertise across a variety of disciplines and functions. Now we are looking for top-tier talent to join our team in a number of interesting and challenging roles.

This is not your typical workplace where you are asked to colour within the lines or stay in your lane. In fact, we need you to roll up your sleeves and dive in with curiosity, creativity, and commitment. We are a quickly growing start-up and we all move at pace, navigating ambiguity on a daily basis. While roles are clearly defined, your day-to-day may not be. Some may find that frustrating. We find it incredibly exhilarating and empowering.

So, we would love to hear from you if you are driven by purpose, up for a challenge, and want to explore the art of the possible in your career.

Overview

Assisting in the engineering design and development of a new greenfield gas-to-liquids facility. The individual will support the engineering team from FEED/FEL 3 stage to detailed engineering and act as the client representative.

This is a part-time position at 30% utilization per month with an expected 24-month term.

Responsibilities may include but are not limited to:

- Support the owner's engineering team in the development of a greenfield gas-to-liquids (GTL) facility.
- Interface with the Engineering contractor(s), licensors, and vendors, while representing Cerilon on the project.
- Owner's representative in design reviews and verification of action items/recommendation closure.
- Participate in projects with oversight of the Engineering Contractor to ensure the effective application of process safety management principles regarding plant design and operation.
- Participate in risk analysis for a variety of operational and project challenges, including systematically assessing site risk exposures utilizing established risk analysis methods, conducting follow-up of open actions, and ensuring actions are closed out and documented.
- Review quantitative risk assessment calculations for different risk assessment studies required for the



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site.

- Promote the implementation of initiatives related to process safety management, loss prevention, and plant hygiene based on legislative requirements, company initiatives, and insurance recommendations.
- Review and provide guidance on the selection and location of fire and gas detection systems and other fire prevention principles/design.
- Review and provide guidance on egress and evacuation layout and design, including worker-in-danger activation systems.
- Review and provide guidance on the requirements for community emergency response coordination.
- Review and provide guidance on the layout and design of shelter-in-place buildings/locations.
- Review and provide guidance in defining & evaluating fire, radiation, and blast zones including the flare system.
- Review of relevant engineering contractor's and licensors' documents, drawings and specifications, during FEED and detailed engineering phases.

Qualifications

- Bachelors Degree or higher in an engineering discipline, (Chemical, Mechanical, Environmental Engineering).
- Professional Engineering license (P. Eng., P.E.), Chartered Engineer (CEng), or Certified Safety Professional (CSP) status is desirable.
- Process/Technical Safety professional with a minimum of 10 year's experience in high hazard industries.
- Experience in FEED and detail engineering projects is required.
- Technical competence in risk identification, risk assessment and risk management methodologies.
- Demonstrated strong skills in one or more of the following:
 - Integrating process safety within the design process and/or operating practices
 - PHA reviews (HAZID, CHAZOP, HAZOP, LOPA, SILA, etc.)
 - Consequence and frequency analyses
 - Fault / Event Tree Analysis
 - Quantitative Risk Assessment (QRA)
 - Authoring Safety Cases, including ALARP demonstrations.
 - Bow Tie Analysis
- Knowledgeable in relevant codes for the USA and in Canada.

Apply now by submitting your resume through our applicant submission process on [Indeed.com](https://www.indeed.com).

This position will be posted until end of day: 2024-Jul-19



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More about Cerilon | The Future of Energy, Now

Cerilon Inc. is an international, privately held corporation headquartered in Calgary, Alberta. The company is focused on developing and managing a portfolio of energy transition, chemical, and professional services companies. Cerilon is building North America's first gas-to-liquids (GTL) facility in North Dakota. This facility will include carbon capture and storage (CCS), making it the first facility of its kind in the world. Cerilon GTL North Dakota will produce high-value liquids, including base oils, ultra-low sulphur diesel, and naphtha. Due to the CCS integration and clean burning nature of GTL fuels, the products will have lower emissions from a life cycle perspective and higher quality than their conventionally produced counterparts. This project is the first of many and will be developed using best-in-class approaches for engaging with the local community and government, demonstrating deep care for the environment, and working with globally renowned partners in project development and execution. An unwavering Environment, Social, and Governance focus; long-term partnerships; strategic agility; and the ability to rapidly integrate technological advancements enhance project replicability, speed-to-market, and return on investment.

Cerilon is well-positioned to provide energy transition solutions and expertise that can help create a better future. Learn more at www.cerilon.com.