CANATUS ENGINEERING GROUP LTD

June 3, 2026

About CANATUS

CANATUS Engineering Group Ltd. is a small, owner led, mechanical engineering consultancy firm based in Alberta Canada. We focus on helping clients manage pressure equipment, piping, and related mechanical integrity work for operating facilities (refineries, chemical plants, power plants, etc.).

We work with both Canadian and international clients providing support in a wide range of activities, including:

- Fitness for Service (FFS)
- Turnaround & Shutdown Support
- Maintenance Engineering
- Training and Mentorship
- Advanced Analysis
- Failure Analysis
- Repair planning and support
- Asset Design Support

Our consulting work blends deep technical analysis with practical engineering judgement. Just as importantly, we aim to transfer knowledge to our clients, helping them solve today's problems while building the capability to tackle similar challenges in the future.

The Role

We are looking for a Senior Mechanical Engineer who can lead technical work while also working directly with clients to define practical and sound engineering solutions.

This role is well suited to someone who enjoys consulting, thinking through complex real-world problems, educating clients, and applying sound engineering judgement.

We operate with a high level of independence and trust. You will help guide technical direction, mentor others, and contribute to the continued growth of the firm.

We are looking for someone with an entrepreneurial mindset who thrives in evolving environments that can occasionally be uncertain or fast moving. The right person approaches challenges with confidence, sound judgement, curiosity, and a sense of humor.

What You'll Be Doing:

- Leading pressure equipment and piping evaluations using ASME Codes, API Standards, or similar international Codes.
- Performing Fitness-for-Service (FFS) evaluations per API 579
- Defining and/or developing analysis approaches
- Reviewing work prepared by other engineers
- Preparing clear engineering evaluations and reports using various technical tools and software.
- Working with finite element analysis (FEA) tools to perform advanced analyses.
- Working directly with CANATUS principal engineers, clients, and third parties, as needed.
- Mentoring and teaching both internally to CANATUS and externally to our clients and partners.

What We're Looking For:

- Required
    - Bachelor's degree in Mechanical Engineering (or similar structural disciplines)
    - 10-15+ years of relevant experience
    - P. Eng. in Canada, International Licensees may be considered
    - Proven experience making and defending engineering judgements

    - Strong working knowledge of ASME Section VIII, ASME B31, and API 579 in real applications
- Nice to Have
    - Strong FEA capabilities
    - Field experience at operating facilities in mechanical engineering/integrity roles
    - Experience in similar consulting roles
    - Ability to seek out and develop new clients and opportunities
    - Interest in developing tools, methods, workflows (continuous improvement)
    - Experience with programming/scripting with Python or similar.

How We Work:

- We lead and stay hands-on, shaping our engineering work from start to finish.
- We hold ourselves to the highest technical standards.
- We thrive in a collaborative environment where bold ideas are celebrated.
- We deliver practical, sound solutions that make an impact.
- We take ownership, solving problems and driving results with confidence.
- We value curiosity, and the courage to tackle complex challenges together.

Compensation & Practical Details

- Competitive compensation that reflects your experience and expertise
- Work primarily remotely with flexibility where practical
- Up to 25 percent travel within Canada
- Must be legally eligible to work in Canada

INTERESTED IN APPLYING?

If this opportunity aligns with your experience and interests, please apply via Indeed:

https://ca.indeed.com/viewjob?jk=baa958da8cc756fa&from=shareddesktop_copy

CANATUS thanks all applicants for their interest. Due to the anticipated volume of inquiries, only candidates selected for further consideration will be contacted.