

Joint venture companies



Job Title: Civil Engineer

Location:, Kitimat, Hub – Lower Mainland BC

There's never been a better time to be working with LNG Canada.

Why? Because we're building Canada's first large-scale LNG facility underpinned by safety, continuous improvement, quality execution and ethics and compliance. Our industry-leading liquefied natural gas (LNG) export facility will provide the world's cleanest LNG, with the lowest carbon intensity.

This is your opportunity to be part of history, in an environment that will challenge you to apply all of your skills, and where you can learn with a diverse team of highly experienced industry professionals and mentors.

LNG Canada maintains a healthy, respectful, and safe environment for all our employees, contractors, partners, and communities. Protecting our people, community and our operations is our top priority. Our project has committed to meeting some of the strictest regulatory standards in the world.

With gratitude and respect LNG Canada acknowledges our facility is under construction and will be operated on the traditional territory of the Haisla Nation. We also gratefully acknowledge the First Nations in our project area and along our shipping route.

Our Vision: To be the leading LNG export company in British Columbia and the world.

Our Mission: To set the benchmark for economically, environmentally, and socially responsible LNG development in Canada.

Our Values: Respect, collaboration, integrity and safety.

Come join the team making Canadian history!

About the Role

This position will function as the lead Civil Discipline Authority at LNG Canada. The position is responsible for establishing and implementing the LNG Canada



Civil Equipment Integrity Management Program as part of an overarching Managing Equipment Care strategy.

The successful candidate will directly supervise a Civil Inspection Specialist and also collaborate with the Materials & Corrosion, Mechanical Static, and Integrity Engineers to solve problems and achieve broader Integrity Program objectives.

The function will work closely with Operations and Maintenance personnel to respond to ad-hoc operational requirements as well as plan for large-scale scheduled inspection opportunities. Guiding principles for the project include the pursuit of Zero Leaks, being the Safest Project on Earth and becoming the Asset of the Future.

To succeed with us in the Technical Support Team, we need your enthusiasm to demonstrate:

- Excellent communication (verbal and written) and interpersonal skills that **inspire and energize** people and create a clear sense of direction and priorities.
- Ability to **positively influence** people, effectively drive work processes and ensure compliance with policies
- Ability to **drive execution** and stretch the performance of people with a wide range of capabilities
- **Comfort with change** and ambiguity such that informed decisions are made without undue delay
- **Courage** to hold strong to views when challenging current practices to encourage exploration of new ideas that drive improvement, i.e., Digitization
- Strong personal commitment to Diversity and Inclusion through **collaboration** across functional and cultural boundaries
- Capabilities for the **development of others** through coaching, mentoring, and providing growth opportunities that help people build their careers
- **Ingenuity** to integrate new and emerging technologies to enhance our digitalization strategy, using smart devices and machine learning, and artificial intelligence

You will use your expertise to:



- Establish, coordinate, and support the LNG Canada Civil Equipment Integrity Management program as part of an overall Managing Equipment Care strategy.
- Evaluate and establish organizational requirements which will include onboarding and development of a Civil Inspector role.
- Establish, refine, and maintain a Civil Asset Register for all aspects of the LNG Canada ISBL and OSBL facilities and structures including the Material Offloading Facility.
- Develop and manage a Civil Asset Care Plan for the site, with specific equipment care plans for targeted assets. The Civil Asset Care Plan will be a strategic, long-term civil asset management plan to manage and optimize maintenance spend related to time-based degradation of civil and structural assets.
- Champion compliance to Global Performance Standard templates and relevant Reliability Strategy Libraries, and use them as a reference for development of inspection scope and strategies for HSSE critical civil assets.
- Leverage innovation to deliver economical Equipment Care Strategies including adaptation of leading-edge technology and digitalization opportunities in an 'Asset of the Future' environment.
- Provide deep technical expertise in the areas of Civil design, troubleshooting, and maintenance of facilities and structures, driving strong assurance and proactive problem solving.
- Actively lead projects related to management of civil assets including inspection, fabric maintenance, and repair.
- Work with the Civil Inspection Specialist to maintain and manage the civil asset register within the Integrity Management System software to track and monitor all aspects of civil equipment maintenance and integrity management. This includes the use of risk-based inspection strategies as well as turnaround scope development and execution.
- Work with the Civil Inspector to develop and execute on Corrective Action Inspection Requests (CAIRs) and other maintenance and repair strategies as required.
- Support the maintenance execution team for discipline-related activities such as lifting equipment and structural supports.
- Participate in technical development and updating of Civil Equipment design specifications and standards.
- Owns and audits Civil discipline site documents (e.g. SWP) and work processes to ensure compliance with local regulations and to corporate and industry standards.
- Increase the networking of best practices throughout the community of Civil Discipline Engineers.

- Identify and prioritize civil asset care programs and develop capital and expense investment plans.
- Provide technical expertise and guidance to PEI team members on an ad-hoc basis where civil discipline knowledge is required.
- Understand and adhere to regulatory requirements with respect to the regulated civil equipment.
- Participate in internal and external audits, corrective and preventive actions, and participating in the review and investigation of accidents and incidents.
- Champion the Management of Change process for any proposed changes to civil equipment related to design, materials, loading or use.

To be successful, you will have:

- Minimum of 10 years' experience related engineering and maintenance of civil and structural equipment in an industrial facility.
- Knowledge level in the application of codes, standards and design practices related to civil structures.
- Knowledge related to the design of civil works including site geotechnical attributes.
- Excellent stakeholder management, communication, and prioritization skills.
- Ability to coach Integrity team members to develop technical skills.
- RCA training, plus practical experience participating in RCA investigations
- Ability to communicate effectively with program stakeholders from the operations and maintenance teams. This includes craftsmen, operators, technologists, engineers, and operations management personnel.
- Ability to collaborate with other core business areas to provide an engineering service that ensures asset integrity and longevity of plant equipment and civil structures.
- Leverage experience and innovation to provide unique and viable strategies for managing civil assets within the Asset of the Future

This role requires that you:

- Must be legally entitled to work in Canada (i.e., by way of Canadian citizenship, permanent residency, or valid work permit) External
- **Know that as part of LNG Canada's commitment to protect the health and safety of its personnel and the communities in which it operates, LNG Canada requires all Canada-based employees to be fully vaccinated against COVID-19. LNG Canada will consider**

accommodation requests from individuals in accordance with applicable human rights legislation.

- APEGBC Professional Engineering Designation or ability to register from another province is required.
- Understand this role will start in Kitimat, BC to ultimately settle in a future LNGC Technical Services and Support Centre in greater Vancouver area, BC.
- Know that Temporary move to Kitimat
- Move to Kitimat in the approximate timeframe of end of Q3, or Q4 2022
- Move to Technical Services and Support Centre after the LNG facility has achieved steady state operations.
- Calgary and Operate : Work an office hours schedule, approximately 40 hrs./week, 5 days per week, with flexibility to balance off time hours when required.
- Kitimat Execute Phase: 50hrs per week 10/hr. days, not always Saturday and Sunday off.
- As this is a Safety Sensitive position, you are willing to comply with LNGC's drug-free and harassment-free work environment and comply with all safety policies and procedures.
- Undergo a pre-placement medical assessment of your fitness for duty, a background check and Pre-Site Access testing for alcohol and specified drugs.

We offer External

- A Comprehensive LNG Canada relocation package
- A full suite of benefits including a flexible Medical and Health plan
- A Defined Contribution Pension plan with a matching program
- A competitive vacation offering to ensure a work life balance

About Us

LNG Canada is a joint venture comprised of Shell Canada Energy (40%) and affiliates of Petronas (25%) PetroChina (15%), Mitsubishi Corporation (15%) and Korea Gas Corporation (5%). The joint venture is building a liquefied natural gas (LNG) export facility in Kitimat, British Columbia.

LNG Canada is committed to building an inclusive and diverse workplace and culture, a safe and sustainable facility, strong community and stakeholder relationships. We are a globally-competitive, digitally-connected business, from



construction to start-up to steady-state. We have partnered with governments, local communities and First Nations to maximize shared value.

