

Joint venture companies



Job Title: Quality Assurance Engineer – Kitimat, BC Fixed Term

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

Why? Because we're building the largest private infrastructure project in Canada. 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 of 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.

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

Our Mission: To be seen by our stakeholders as the Company of Choice.

Our Values: Respect, collaboration, integrity and safety.

Come join the team making Canadian history!

About the Role

The main purpose of the QA Engineer position is overseeing the quality assurance of initially the marine/civil- and later, the 'on-site' scope being constructed for LNG Canada.

This includes the scope to be executed by the main EPC contractor as well as any scope executed directly by LNG Canada.



The role's core objective is to ensure that all scope is built in accordance with its intended function, to oversee the implementation contractors quality management systems, implement the inspection and test plans for the scopes and source the required inspection resources, and by doing so have a direct role in the integrity and supporting the process safety, leading to the successful delivery and start-up of the LNG plant.

The successful candidate will need to develop excellent relations with the LNGC management team at site, the LNGC Plant Project Quality Manger and his team initially based in Calgary, but which team will gradually mobilize to Site in due course.

In addition, it is of key importance that excellent relations are built and maintained with the construction managers of the various contractors as well as the various regulatory authorities in British Columbia.

LNGC has an EPC lumpsum contract with EPC Contractor JFJV and is being built in a modularized manner in two main fabrication yards in China, as well as via 'stick built scope' being built in Kitimat, B.C.

To succeed with us in Construction, we need your enthusiasm to:

- Contribute to building professional relationships between the LNGC Project Team Members and EPC Contractor, its Suppliers and Sub-contractors
- Have Passion for safety in execution and having the knowledge and courage to help achieve extraordinary HSSE results.
- Display a strong positive attitude to manage change and improvement in our processes, ways of working and our overall performance.
- Develop strong working relationships with your team, stakeholders to boost co-operation and a One Team approach
- Use your ability to utilize flexible thinking with well-developed problem-solving skills
- Courage to hold strong to views when challenged or challenging others.
- Passion to mentor colleagues and members of team
- Lean on your analytical skills and information management skills to communicate to provide dashboards that provide meaningful information to stakeholders

You will use your expertise to:

- Work closely with the LNGC-, the EPC Contractor- and Site contractors' organizations to grow and nurture a strong HSSE culture supporting HSSE performance and goal zero, to meet LNG Canada's vision to build the Safest Project on Earth. Take personal responsibility for keeping all people safe.



- Assist in maintaining the Project Quality Management system by establishing procedures, plans and work instructions as needed.
- Support and work with the EPC Contractor to further develop and implement a “Right First Time” execution and drive a “No Defects” Quality culture.
- Review and approve Quality Plans, Inspection and Test Plans (ITPs) and inspection procedures.
- Organize and manage inspection activities including assigning (third party) inspectors and construction supervisors to attend witness and hold points as required by ITPs.
- Coordinate with engineering disciplines, review cycles and commenting on Inspection and Test Plans and Procedures
- Monitor implementation of the LNGC Quality Management System through regular audits and reviews.
- Assist with monitoring the implementation of the FPD program at Site throughout the Execute Phase.
- Monitor Key Performance Indicators (KPIs) to measure quality performance in different areas of work development.
- Monitor and report on compliance and nonconformities and maintain relevant records.
- Provide guidance to the project team on matters related to QA/QC and support project initiatives to raise the quality awareness amongst project team members, contractors and sub-contractors.
- Attend site quality meetings with contractors.
- Attend pre-inspection meetings as required
- Develop and issue quality alerts as necessary.
- Identify and manage risks that could impact achieving quality objectives.
- Establish and execute audit and review plans.
- Follow up corrective actions from audits and reviews and maintain status register.
- Develop and maintain QA/QC lessons learned register and ensure relevant lessons learned are captured in ITPs and relevant procedures

To be successful, you will have:

- Professional engineer with a 10-15 Years of QA/QC progressive experience in Construction in Oil and Gas facilities (Design, Fabrication, Procurement, Construction and Project Management experience is a definite advantage)
- Graduate Engineer (B.Sc. Eng. / BE/B.Tech.) either in Civil/Marine / Mechanical / Metallurgical / Welding / Electrical / Instrumentation/Civil engineering as appropriate.
- Shall have experience in managing inspection and QA activities at construction site.
- Shall have experience in developing and managing inspection and test plans.

- Experience in Civil/Structural inspection and test methods and techniques is an advantage, such as but not limited for:
 - Soil and earthworks
 - Geotechnical, marine, dredging
 - Concrete testing
 - Cable trenching
 - Foundation and caisson construction
 - Concrete (material, mixing, transporting, pre-placement, placement, finishing and repair, curing)
 - Steel structure erection.
- Demonstrated experience as Qualified (Lead) Quality Assessor/Auditor.
- Several years' experience leading and coaching third -party Inspectors
- Experience in Quality Management Systems for construction works with knowledge of ISO 9000 standards.
- Knowledgeable with Canadian and BC standards, codes and regulations
- Experience of working to and fully familiar with industrial codes and standards such as ANSI, ASME, ASTM, API, CSA and ISO used in oil and gas industries
- Sound technical knowledge in materials, welding, coating/painting, NDE inspection and general construction activities
- Experience with modularized projects is an advantage.
- Well versed in quality improvement techniques, resolving issues, carrying out root cause analysis and non-conformance investigations
- Demonstrated skills and experience with data analysis and information reporting skills
- Knowledge in developing and managing FPD and Lessons Learned programs.
- Excellent communications and inter-personal / leadership skills are essential.
- Team player, acting as a champion to break new grounds and self-motivated.
- Ability to manage interfaces and relationship with key stakeholders.
- Ability to influence the project team to ensure quality is achieved, working across time zones towards a common goal, despite globally distributed work teams.
- Proven track record of result delivery in challenging project environments.
- Large and Mega project experience is an advantage
- Experience working in a Lump Sum EPC environment is an advantage.

This role requires that you:

- **Be Legally entitled to work in Canada (i.e. by way of Canadian citizenship, permanent residency or valid work permit)**
- Reside in Kitimat, BC. The LNG Canada temporary relocation policy will apply.
- Know that this is a fixed-term role of 3 years approximately ending August 2024.



- Work schedule: Kitimat, BC 5 days per week, 10 hr. days, 50hrs/week not necessarily having every Saturday and Sunday off.
- Will lead between 5 and 10 third -party inspectors
- Report directly to the LNGC Plant Project Quality Manager.
- Possess a valid driver's license.
- Are willing to be called out after hours
- Are willing to work outdoors during inclement weather in all seasons.
- Can climb ladders and stairs, enter confined spaces.
- 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

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 you have 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 sets out to be a project of choice for British Columbia and Canada. Safety, shared economic value, environmental performance and social performance are our highest priorities. We have partnered with governments, local communities and First Nations to maximize shared value.

