

Joint venture companies



Job Title: Process Control EIT

Reporting to : Process Control Team Lead

Location: Kitimat

Type: Direct Hire

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

The purpose of the Process Control Engineer is to be responsible for the process control and safeguarding functionality to support safe, reliable and efficient operation of the LNGC facilities starting in Execute to further fully sustain in the Operate phase. This includes - controller performance improvement, systematic plant troubleshooting and end to end production and value chain optimization. Culture of continuous improvement as well as technological improvements for performance enhancement for the entire facility will be a differentiator. Furthermore, the Process Control Engineer is expected to develop hybrid process engineering and process control competences in LNGC with a strong connect to Asset of the future aspirations of LNGC.

To succeed with us in the Technology Department , we need your enthusiasm to:

What are the attributes needed to do a great job, example below

- Demonstrate deep appreciation and commitment towards Technical safety.
- Display a strong positive attitude to manage change and improvement in our dynamic processes, ways of working and our overall performance as we evolve into a fully operating asset post CSURU (Commissioning, startup and ramp up).
- Always display strategic thinking in developing technical systems where tactical short term decisions and constraints to (efficient) production are harnessed into 'eternal learning loops' mindset to develop and implement sustainable plans for LNG delivery to markets.
- Develop strong working relationships within and outside your team, stakeholders to boost co-operation and a One Team approach transcending into multi-disciplinary integration.
- Utilize flexible and incremental innovation thinking with well developed problem solving skills.
- Have courage to hold strong to views when challenged or challenging others with clear value drivers to preserve long-term asset value.

You will use your expertise to:

In Execute Phase

- Support operations and other interfaces on control and safeguarding schemes whenever needed.
- Act as TA3 for process control in LNGC, supporting MOCs and future expansions like phase 2 as needed.
- Proactively get involved in the CSU and ramp up related activities while being an active member of ADT (Asset Delivery Team) when asked.

- Provide high quality support for process control and improvement of control and safeguarding systems for the LNGC and interfaces.
- Deliver process control aspects of LNGC in accordance with project HSE, technical standards, quality standards and procedures as defined in Contract and Project Specification, during design, construction, commissioning and start-up.
- Optimize processes via all the techniques to improve controller performance. Pay special attention to control function tests and tuning as well as putting Engineering Training Simulator to test (ETS) and position it as a scenario assessment tool.
- Support the organization to conduct performance tests and assess gaps if any and plan for removal of constraints after steady state is achieved.
- Review the process control content of plant modifications/changes as well as instrument trip/alarm settings such that plant integrity remains ensured and design objectives are met prior and post handover from EPC.
- Ensure documents, i.e. control and IPF narratives, system functional design specifications, etc., are maintained and as-built comments are accurately kept. Participate in required HSE activities (audits, meetings, etc.) and demonstrate (by example) safe work practices and procedures to the contractors at all times.
- Develop fit for purpose start up tools for example – autocooldown, systems performance monitoring templates together with process engineering team and ensure integrated dashboards during CSURU phase.
- Support the implementation of control and safeguarding functionality in DCS, SGS and FGS systems.

In Operate Phase

- Continue providing process control services for the LNGC complex to maximize plant safety and reliability. Contribute to process optimization, control, operating procedures, troubleshooting and safeguarding systems of all facilities.
- Contribute to Process Control monitoring program (including KPIs) to identify bad actors and propose solutions to improve process performance. Predict future issues and propose solutions to solve mid/long term issues through proactive monitoring of controller uptimes and plant performance.
- Develop, implement, tune and maintain Advanced Process Control applications for the LNG plant and utilities post performance test run and position advanced systems as the backbone of the end to end facility optimization.
- Ensure Narratives are updated in line with MOCs.

- Leverage skills and technical knowledge to ensure operation within operating envelope, produce within design specifications and maintaining integrity of equipment. Lead application of process safety guidelines to prevent loss of production.
- Solve/troubleshoot problems, investigate incidents and minimize shutdown/start-up durations using process engineering knowledge & expertise. Actively engage with operation teams for the same. Build strong collaborative relationships with stakeholders like Operations, Engg and commercial.
- Closely interact with the laboratory to ensure methods, limits and sample schedule provide the correct feedback for supporting production, engineering and various process test-runs.
- Contribute to development studies and projects related to plant performance improvements using process control techniques. Keep abreast of latest technologies and accordingly develop tools. Drive case for change with the aim of improving train/complex reliability, efficiency, production and environmental performance
- Contribute to sustain ESP especially on safeguarding, proactive and predictive monitoring.

To be successful, you will have:

- University degree or equivalent in Control Engineering, Chemical Engineering, Electrical engineering, Applied Physics or Mathematics and 3+ years of relevant industry experience with demonstrated skills and relevant competencies.
- Led/participated in process control projects (e.g. base layer control improvement programs and advanced process control projects)
- Wider appreciation of Gas/LNG business processes and principles and experience in a Gas/LNG Major Project is an advantage.
- Comply with the Job Competency Profile for Process Control.
- Ability to contribute to decision support and assurance as well as organizing and/or carrying out hands on technical evaluations.
- Sound systematic approach to technical and multi-disciplinary challenges. Strong analytical abilities having knowledge of engineering tools and simulations etc.
- Able to integrate projects and initiatives while managing inter-cultural sensitivities and leveraging D&I. Communicate with internal and external interfaces with strong spoken and written communication skills.



This role requires that you:

- Live and work in beautiful Kitimat, BC.
- During Pre-commissioning and Operate phases: Work an office-hours schedule, approximately 40 hrs./week, 5 days per week, with flexibility to balance off time hours when required.
- During Commissioning and Start-up phase: 50 Hrs. per week, 10hr days.
- Must be legally entitled to work in Canada (i.e., by way of Canadian citizenship or permanent residency)
- 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:

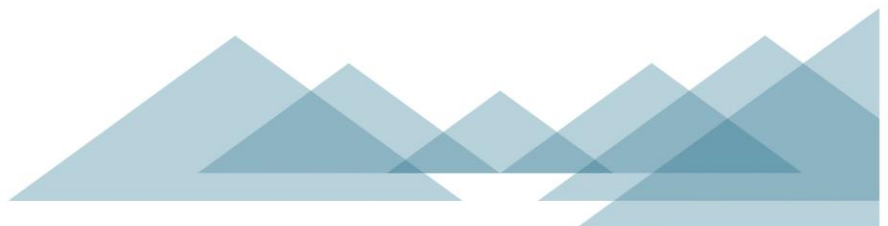
- A Comprehensive LNG Canada relocation package (if required)
- A full suite of benefits including a flexible Medical and Health plan
- A Defined Contribution Pension plan with a matching program
- A competitive vacation offering to ensure a work life balance
- See attached document for more information about Kitimat and LNG Canada.

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.

Do you have a desire to learn and become part of an organization with a supportive and collaborative culture? Concerned you don't meet every job requirement? Studies show diverse candidates are less likely to apply unless they feel they meet every single qualification. LNG Canada hires for character and trains for skill. We're dedicated to attracting a diverse and inclusive



workforce, representing the communities in which we live and work. We encourage you to apply today.

