







# About LNG Canada

LNG Canada represents one of the largest energy investments in Canadian history. It is a joint venture company comprised of five global energy companies with substantial experience in liquefied natural gas (LNG) – Shell, PETRONAS, PetroChina, Mitsubishi Corporation and KOGAS. Together, we are building and operating an LNG export terminal in Kitimat, British Columbia, in the traditional territory of the Haisla Nation.

**7,500 people**  
employed on  
rotational shifts at  
peak construction




**200 to 400**  
specialist LNG ships  
will visit our terminal  
every year



**TC Energy**  
is building and will  
operate the **670 km**  
Coastal GasLink  
pipeline





A typical LNG carrier is roughly

290  
METRES LONG



+



LNG storage tanks are designed to keep the LNG at

-162°C

The process of transporting natural gas from the ground in B.C. to the end user overseas takes about



# Our timeline

**LNG Canada's joint venture participants made their final investment decision in October 2018, following years of technical design and collaboration with our business partners, alongside a multi-year public engagement, environmental assessment, review and permitting process. Also in 2018, LNG Canada selected its Engineering, Procurement and Construction (EPC) contractor, JGC Fluor.**

LNG Canada includes the design, construction and operation of a natural gas liquefaction plant and facilities for the storage and export of liquefied natural gas (LNG) including marine facilities.

With construction moving safely and steadily towards completion, the LNG Canada project remains on track to deliver its first cargo by the middle of this decade. And with approximately 5,000 highly skilled Canadians employed at its Kitimat site, the project is delivering substantial economic benefits to B.C. and to Canada. The cumulative value of its contracts and subcontracts to local, Indigenous and other businesses had reached \$3.6 billion in early 2022, including \$2.9 billion to Indigenous-owned and local area businesses.

We are committed  
to listening, learning  
and working together.



## Follow our progress.

 [lngcanada.ca](http://lngcanada.ca)

 [facebook.com/lngcanada](https://facebook.com/lngcanada)

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 For construction contracting and procurement or construction jobs, visit <http://jfjvkitimat.com>



## Putting Canada on the map of LNG exporting countries

**LNG Canada will export Canadian natural gas to Asian markets, putting Canada on the global map of LNG exporting countries and creating a world-class liquefied natural gas (LNG) industry in British Columbia and Canada.**

LNG Canada is the first significant LNG export facility in Canada to proceed with construction. To export natural gas, it first needs to be turned into its liquid form – LNG. This reduces its volume 600-fold and makes it practical to ship via specially designed LNG marine vessels.

To do this, gas is cooled to -162 degrees Celsius, a temperature which turns gas into liquid.

LNG is odourless, colourless, non-toxic, non-corrosive and non-flammable. LNG is stored at around atmospheric pressure. If LNG is inadvertently released, it quickly vapourizes as it warms, rises and disappears into the atmosphere, leaving no residue behind.

LNG cannot burn, as it doesn't contain oxygen, which is needed to support combustion.

Natural gas is recognized as affordable and clean burning, as well as safe to store and transport. For countries that depend on burning coal for the majority of their energy needs, LNG can play an important role in energy transition and moving towards a lower carbon future. Using LNG from B.C. has the potential to greatly reduce those countries' greenhouse gas emissions, resulting in significant net global greenhouse gas reductions while significantly improving air quality.

Canada has an abundant supply of natural gas and has been exporting it for the past five decades, primarily to the U.S. Now the U.S. is developing its own natural gas reserves, Canada is looking for new markets for its natural gas.

**LNG** is odourless, colourless, non-toxic, non-corrosive and non-flammable.



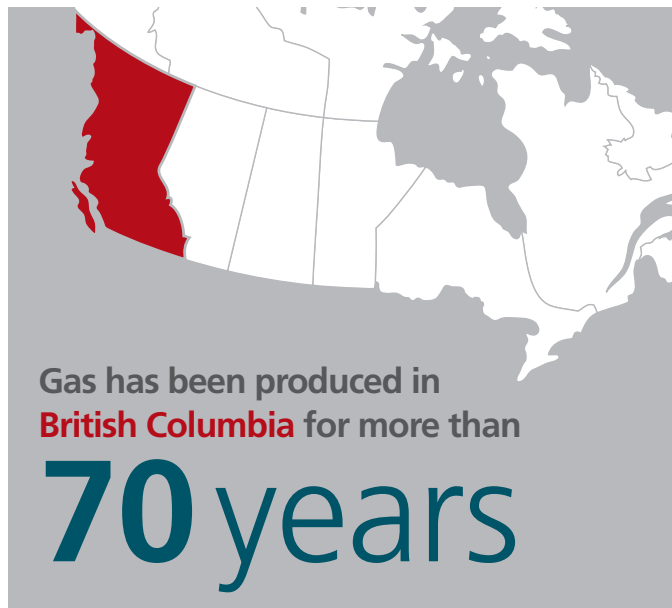




## Delivering an LNG project in B.C.

**At the outset of LNG Canada's planning for an LNG export facility in British Columbia, we made commitments that we continue to meet as we build the project.**

- We are building the facility sustainably and minimizing impacts on the environment.
- We are building the facility safely and responsibly, in a way that respects local First Nations' relationship to the land and water, and the local communities' need for a company that makes a positive contribution to its economic and social fabric.
- The export facility will incorporate technical innovations to keep costs down, environmental and social performance up, and provide lasting benefits to local communities, the province and the country.



## Why British Columbia?

**Finding the right location for LNG Canada's LNG export facility wasn't easy. We chose British Columbia because it has the second-largest natural gas reserves in Canada and is a reasonable shipping distance from Asian markets.**

We identified and reviewed more than 500 possible locations in B.C. prior to selecting our site in Kitimat at the head of Douglas Channel, in the traditional territory of the Haisla Nation.

We wanted to be as far inland as possible, because it shortens the amount of pipeline needed to connect the gas reserves to our LNG export facility. Other key features of our site include:

- Industrially zoned land
- Year-round ice-free deep water port
- Existing infrastructure such as roads, power lines and a nearby airport in Terrace
- Positive relationships with local government, First Nations and the community





## Trusted and valued

**From the beginning we made every decision keeping safety, economic, environmental and community interests top-of-mind.**

Along with JGC Fluor, our EPC contractor, we continue to work closely with the community, First Nations and municipal, regional, provincial and federal levels of government to understand how our Company can help achieve collective social, economic and environmental aspirations.

We are working to minimize potential environmental impacts – whether at the site or in the marine environment. We are committed to listening, learning and working together to share information, value, and meet the needs of the community.

We believe LNG Canada can be a catalyst for northern B.C. development and an opportunity for British Columbians in both the north and south of the province to realize benefits through employment and the economic contributions.

LNG Canada is a project of national significance and will enable Canada to access new trading partners for its abundant natural resources.

We have created a **Community Commitment Charter** in collaboration with the community that outlines the commitments we will live by every day.



LNG Canada's success relies on the support of the communities involved.







# Enabling the energy transition locally and globally

**LNG Canada believes that energy development projects and the environment can co-exist, as long as the right design and planning are done upfront, the project incorporates local and traditional knowledge, and there is an effective way to monitor performance throughout the life of the project.**

Through a combination of energy efficient natural gas turbines and renewable electricity from BC Hydro, our project will emit less than half the greenhouse gas emissions of the average LNG facility currently in operation.

As part of our Environmental Assessment process, we studied potential environmental effects on people, water, air and land.

We operate in an environment of continuous and demonstrable improvement. We have reduced our environmental footprint related to air, land and water. We work with governments to develop innovative policy solutions that position B.C. and Canada as leaders in energy development, reconciliation and environmental stewardship.



**The industry's exceptional safety record,** and a product that evaporates rather than spills, makes LNG acceptable to the community residents, First Nations along the shipping corridor, and the Haisla Nation, on whose territory we are located.



## Safety and environmental performance

**Safety is critical to our ability to deliver energy responsibly, as is environmental performance. LNG Canada meets some of the world's strictest regulatory standards for both safety and environmental protection. Our facility includes a number of safeguard systems to protect against incidents – including alarms and multiple back-up systems to ensure that every person working on our project gets home safely at the end of their shift or working day, and ensuring the safe operation of the facility for decades to come.**

LNG shipping has one of the best safety records in the marine industry: over 90,000 cargoes delivered without a single cargo loss since the first commercial cargo in 1964. There are currently more than 600 LNG carriers in operation around the world.



To learn more about our project, please visit our website at **[lngcanada.ca](https://lngcanada.ca)**



# A one-of-a-kind plant with the option to expand

- Average two 7.0 million tonnes per annum (mtpa) per train
- Highly efficient Baker Hughes turbines
- 100 MW renewable power from BC Hydro
- One 225,000 m<sup>3</sup> LNG storage tank
- Utilities and buildings
- Marine terminal for loading Q-Flex LNG carriers
- Temporary worker accommodation centre and laydown areas



Artist rendering of the LNG Canada site.





# Working together to deliver local benefits

**We are committed to ensuring that benefits from our project flow to the local communities of Kitimat and Terrace, and across B.C. and Canada.**

During peak construction (2022-2023), more than 4,500 individuals will work at the LNG Canada site itself (on various rotations). Approximately 7,500 people will fill these positions, given the shift work nature of the employment.

And the benefits of the LNG Canada project go beyond jobs. Once the project is complete, it will deliver tax revenue to the local community that can be used to support social projects, recreational facilities and ensuring local infrastructure is well maintained. All economic activity – whether directly or indirectly tied to the project – helps drive positive economic growth throughout B.C. and across Canada.



Construction jobs during construction

**7,500** people employed on rotational shifts at peak construction.



Operational jobs

**250-350** people will be employed during the operations of the first phase.



Procurement and indirect opportunities

Indirect jobs and procurement opportunities for local jobs and businesses are substantial.



Tax revenue

Significant tax revenue to the local community and provincial government – supporting social projects like hospitals, recreational facilities and schools, and ensuring local infrastructure is well maintained.



Economic activity

Directly and indirectly, the project helps drive economic growth throughout B.C. and across Canada.

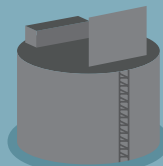
To learn more about our project, please like our **Facebook** page or follow us on **LinkedIn**, **Twitter** and **YouTube**.



## DID YOU KNOW?



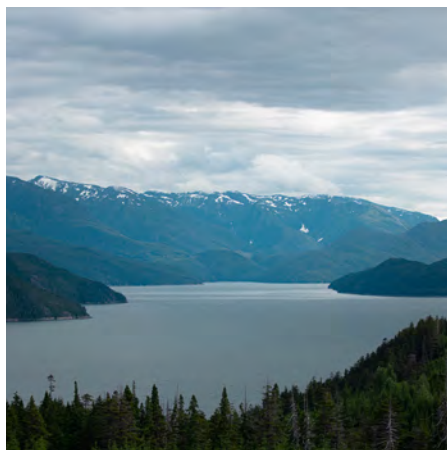
Each tank will hold  
**80** Olympic-sized  
swimming  
pools  
of LNG



We work closely with the community, First Nations and municipal, regional provincial and federal governments to understand how LNG Canada can help Kitimat, the region, the province and the country achieve their social, economic and environmental aspirations



LNG Canada is meeting some of the strictest regulatory standards in the world for both safety and environmental protection



**24hrs =**



A ship will visit the LNG facility in Kitimat every other day in phase one, increasing to approximately one ship per day at full build out

