

LNG Safety

Safety is the No. 1 priority at Kitimat LNG. We are committed to maintaining the LNG industry's long and outstanding safety record and we will emphasize ongoing training, 24/7 monitoring, comprehensive maintenance, and close cooperation with all regulatory bodies to best ensure safe and reliable operations.

LNG Properties

- LNG is natural gas in its liquid form. Natural gas is simply cooled to very low temperatures (-160C) to turn the gas to liquid to make for easy transport by sea.
- LNG is kept at atmospheric pressure.
- LNG is non-corrosive and non-toxic, and will not pollute land or water resources.
- LNG is lighter than water, and will vapourize when exposed to air.

LNG Transportation

- LNG is an efficient and safe way to transport natural gas across long distances and deliver to consumers.
- There have been no major LNG-related incidents reported at sea or in port in over 40 years of transporting LNG, which includes more than 80,000 carrier voyages.
- Incoming double-hulled carriers must meet stringent international, national and regional safety codes. Vessels must meet the Canada Shipping Act, Canada Labour Code and Marine Transportation Security Regulations.
- Tug boats will assist three to five LNG vessels into the terminal each month.
- Experienced local pilots from the Pacific Pilotage Authority will board each LNG vessel at Triple Island, 40 kilometres from Prince Rupert, and guide vessels on the 16-hour trip to Kitimat.
- Carriers have sophisticated equipment to enhance safe navigation such as radar, automated information systems and global positioning systems and are operated by well trained professionals.

Kitimat LNG Export Terminal

- The LNG industry is heavily regulated and monitored, with regularly scheduled inspections and audits.
- The Kitimat LNG Terminal will be located 15 kilometres from Kitimat, and will meet or exceed to strict state-of-the-art engineering and safety standards.
- Personnel will be well-trained in safety procedures.
- The facility will be in full compliance of safe operating practices and procedures.
- The project's design and location provides protection from natural hazards and the terminal location's susceptibility to significant seismic events is extremely low.
- The Kitimat LNG Terminal's safety systems will include:
 - early detection and mitigation of leaks through constant monitoring
 - containment of LNG as per code requirements
 - automatic activation of emergency shutdown
 - a workforce trained for effective, incident-specific, emergency response
 - site security by mechanical and electronic fencing, and visual monitoring via comprehensive closed-circuit TV coverage.