

Company Overview



Cryopeak's mission is to be the leading low carbon fuel provider in North America supporting a transition to cleaner more efficient energy sources

Founded in 2012

- Cryopeak enables customers to make a successful transition to a lower carbon energy solution
- 30 Employees based out of Vancouver BC, Canada
- ISO 9001 Expertise in Engineering, Project Management and Operations
- Proprietary onsite liquefaction, storage, and regasification technology
- Optimized LNG distribution using marine and land based transportation
- Portfolio Company of BP Energy Partners Dallas, Texas

Virtual Pipeline Solutions







Liquefaction

Transportation

Storage & Vaporization

Northern Canada LNG Facility



Fort Nelson - Facility details

- Phase 1 capacity 27,000 gpd
- Phase 2 capacity 100,000 gpd
- 4" gas supply line from the Enbridge T-North Pipeline
- Single Mixed Refrigerant process
- 380m³ LNG storage with truck loadout







Transportation



Optimized transport fleet ensures lowest transportation costs

- LNG transportation is a significant cost in the value chain
- Safely delivered 20,000,000 gallons and travelled over 7,000,000 kms
- Cryopeak maximizes the payload transported to customer sites minimizing transportation costs
- Proprietary fleet of LNG Super B-trains (40% extra payload)







Cryopeak Super B-Trains





 Cryopeak can provide the largest LNG delivered payload in North America via Super B-Trains 18,500 Gallons / 1,600GJ per delivered load

Remote industrial Power Solutions



Mobile LNG storage solutions for various applications

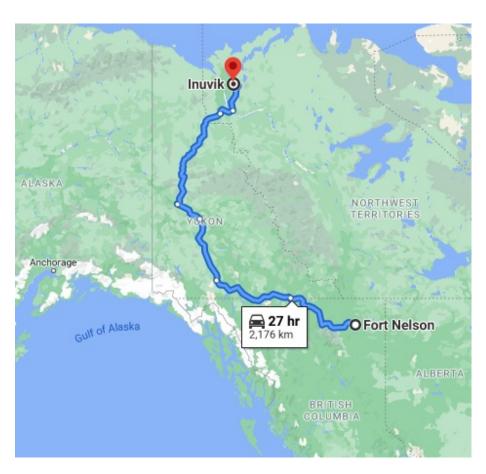






LNG for Utility Power Generation







LNG in Whitehorse - Utility Power Generation





LNG in Fairbanks AK (Heating)







LNG in Inuvik – power generation



LNG advantage 1 – Emissions





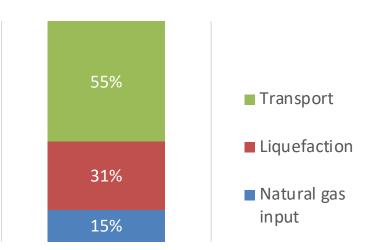
Natural Gas has the lowest emissions
Also can fill both heating and power generation needs

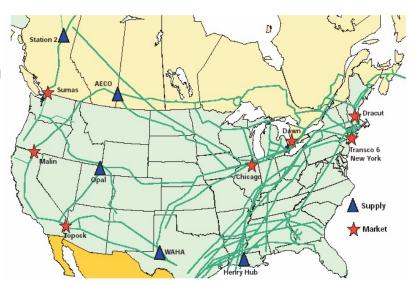
LNG Advantage – Cost and supply



- Northern BC has the lowest gas prices in North America
- Cryopeak buys natural gas from "Station 2"
- Possible to lock in prices for up to 10 years
- Volatile gas commodity is a small part of the delivered price to the customer
- When gas prices increased 100% in 2021,
 Cryopeak's delivered price increased 7.5%
- LNG pricing was far more stable than other fuels
- In Canada Gas Powered Electrical generation expected to increase market share (at the expense of coal)

LNG PRICE BREAKDOWN





LNG - Applications



Power Generation

- Renewable fuels are the best source of electrical power but have some challenges
- May be intermittent or can not keep up with demand growth or uneconomic to meet peak demands
- Back up power generation is normally required
- LNG can fill the gap as the cleanest and lowest cost fuel source

Heating

- Gas heating is highly efficient for space and water heating
- Local gas grid enables consumers to connect with a centralized facilities
- Local gas grids are common across Canada traditionally
- LNG / Natural Gas is good for very low temperature ambient environments

LNG enables communities not connected to the major gas pipelines to have access to natural gas

Further emissions reduction....



Possibilities in the future

- Renewable natural gas supply is increasing
- LNG as a carrier for Hydrogen (CH₄)
- New processes can split LNG into hydrogen and solid carbon

LNG





Demonstration plants in Australia

A hybrid power plant





Gold Fields' Agnew gold mine in Western Australia. The 56-megawatt (MW) Agnew hybrid renewable microgrid system

Our Reference list







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