

HTEC'S NORTH VANCOUVER CLEAN LIQUID HYDROGEN FACILITY

Hydrogen plays an important role in reducing carbon emissions.

HTEC works across the clean hydrogen value chain, developing, integrating, and operating hydrogen energy solutions to enable the transportation sector's transition to a low-carbon future. As part of these efforts, HTEC is constructing clean hydrogen production facilities to support British Columbia's growing network of fueling stations. This includes the development of the **North Vancouver Clean Liquid Hydrogen Facility**.



HTEC designs, builds, owns and operates **Canada's first hydrogen fueling station network**.

PROJECT OVERVIEW

HTEC will co-locate a clean hydrogen liquefaction facility at an existing ERCO Worldwide sodium chlorate plant, which has operated safely in North Vancouver since the 1950s. **Low-carbon by-product hydrogen vented from the existing industrial plant will be liquified for use as a clean transportation fuel.** The facility will produce 15 tonnes per day of clean liquid hydrogen to supply HTEC's network of hydrogen fueling stations across British Columbia and sell to other users.

Key Project Information

- This will be Western Canada's first hydrogen liquefier
- The facility will supply the lowest carbon intensity hydrogen in the province
- HTEC's proposed project will store 48,000 kilograms of liquid hydrogen onsite
- Liquid hydrogen facilities have been operating safely and successfully in Canada and the USA since the early 1960s, including in urban areas
- HTEC plans for the facility to be operational by the end of 2026

PROJECT BENEFITS



Create 50 jobs in BC



Reduce GHG emissions up to 141 kilotonnes CO₂e per year



Supply hydrogen fuel for >100,000 heavy-duty FCEV truck fills per year



Generate municipal and provincial tax revenues

Safety First!

HTEC is committed to the highest level of safety and has 20 years of experience in designing and operating safe hydrogen systems. This project, like all HTEC hydrogen-supply solutions, will be designed to the most stringent safety codes and standards.

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