

# HTEC'S NANAIMO CLEAN HYDROGEN PRODUCTION 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 **Nanaimo Clean Hydrogen Production Facility**.



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

## PROJECT OVERVIEW

HTEC is developing a 2-tonne-per-day (TPD) clean hydrogen facility to produce low-carbon intensity hydrogen using electrolysis, a process that uses renewable electricity to split water molecules into high-purity hydrogen gas and oxygen gas. The project will be one of British Columbia's first at-scale electrolyzer facilities. HTEC plans for the facility to be operational by late 2025.

## Key Project Information

- The production facility will supply HTEC's expanding network of hydrogen fueling stations on Vancouver Island
- It will support the decarbonization goals of both the City of Nanaimo and British Columbia
- The project includes a Blending Demonstration aspect where hydrogen will be used within the Harmac Pulp Mill to replace natural gas in an industrial heating application
- The project will open up new market opportunities for zero emission heavy-duty transportation applications

## PROJECT BENEFITS

HTEC's proposed project will offer benefits both locally and Canada-wide.



Create >14 jobs in BC



Generate municipal and provincial permitting and tax revenues



Support 60 zero emission heavy-duty FCEV trucks or 4,000 passenger vehicles



Reduce GHG emission by more than 15,000 tonnes CO2e per year

## 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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