

BC HYDROGEN PILOT TRUCK PROJECT

Brought to you by HTEC



Hydrogen plays an important role on the path to reducing carbon emissions in the transportation sector.

As Canada's leading clean-hydrogen-solutions company, HTEC spans the entire clean hydrogen value chain from production to distribution, dispensing and fleet transition with the goal of ensuring supply and demand grow simultaneously to support a sustainable hydrogen hub in British Columbia (BC).

The BC Hydrogen Pilot Truck Project marks the first-ever deployment of hydrogen heavy-duty Fuel Cell Electric Vehicle (FCEV) trucks to a wide range of fleet operators in BC.

PROJECT OVERVIEW

The project will demonstrate hydrogen fuel cell technology in the heavy-duty transportation sector, specifically class 7 and class 8 trucks.

HTEC will produce clean hydrogen at its production facility in Burnaby via electrolysis. The hydrogen will be transported in HTEC PowerCube trailers to supply the HTEC dedicated hydrogen fueling station in Tsawwassen.

The pilot project includes 6 heavy-duty FCEV trucks - owned by HTEC - that will be leased to and operated by local fleets. Some of the trucks will be maintained by Velocity Truck Centre in their newly upgraded hydrogen bay in Abbotsford. The pilot project will run through to 2026.

Project Objectives

- Fast-track the development of prototype FCEV trucks that will ultimately be deployed at scale in BC
- Assess the efficiency of BC's fuel supply chain, covering production, distribution, and dispensing
- Collect data and feedback on the customer experience, operation and maintenance of FCEV trucks for future truck development

Benefits of zero-emission hydrogen FCEV trucks



Extreme weather tolerance



Low noise compared to diesel trucks



Long-range



Reduced carbon footprint

Safety First!

Hydrogen has been safely produced, stored, transported and used in widespread industrial processes for more than 100 years in Canada. Codes, standards and design practices have been developed to enable safe use. Hydrogen's unique characteristics make it a safe energy carrier when compared to fuels such as gasoline, diesel or natural gas.

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