

Green Hydrogen Summit

Matching Supply and Demand in the BC H2 Ecosystem

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www.htec.ca

HTEC respectfully acknowledges that its head office is situated on the traditional and unceded territories of the x^wməθk^wəyəm (Musqueam), Skwxwú7mesh (Squamish) and Səlílwətał (Tsleil-Waututh) Nations.

HTEC at a Glance

HTEC's mission is to **fuel the drive to hydrogen** by designing, building, owning, and operating regional hydrogen hubs that contribute to a sustainable, integrated hydrogen ecosystem in BC and beyond.



1st

- **Light duty station** network in Canada
- **Commercial-scale electrolyzer** in BC
- Canadian company to **build, own & operate a regional hub** including end-use transportation load

- **20+** years
- **115** employees
- **\$100M+** capital invested
- **>130,000kg** H2 safely delivered & dispensed



Clean Fuels



Stations & Distributions



Vehicle Leasing Corporation



Engineering Services



HYDROGEN

A necessary solution for Canada



Canada → reduce greenhouse-gas emissions 40–45 % below 2005 levels by 2030.

Transportation = ~23 % of Canada's total emissions (2023).



BC (2030) → 40 % reduction below 2007 levels.

*Transportation = ~42 % of provincial emissions (2022) — **the single largest sector.***

Canada's federal and B.C. hydrogen strategies both flag heavy-duty mobility as essential. Battery electrification alone won't meet transport requirements for long range, high payload applications

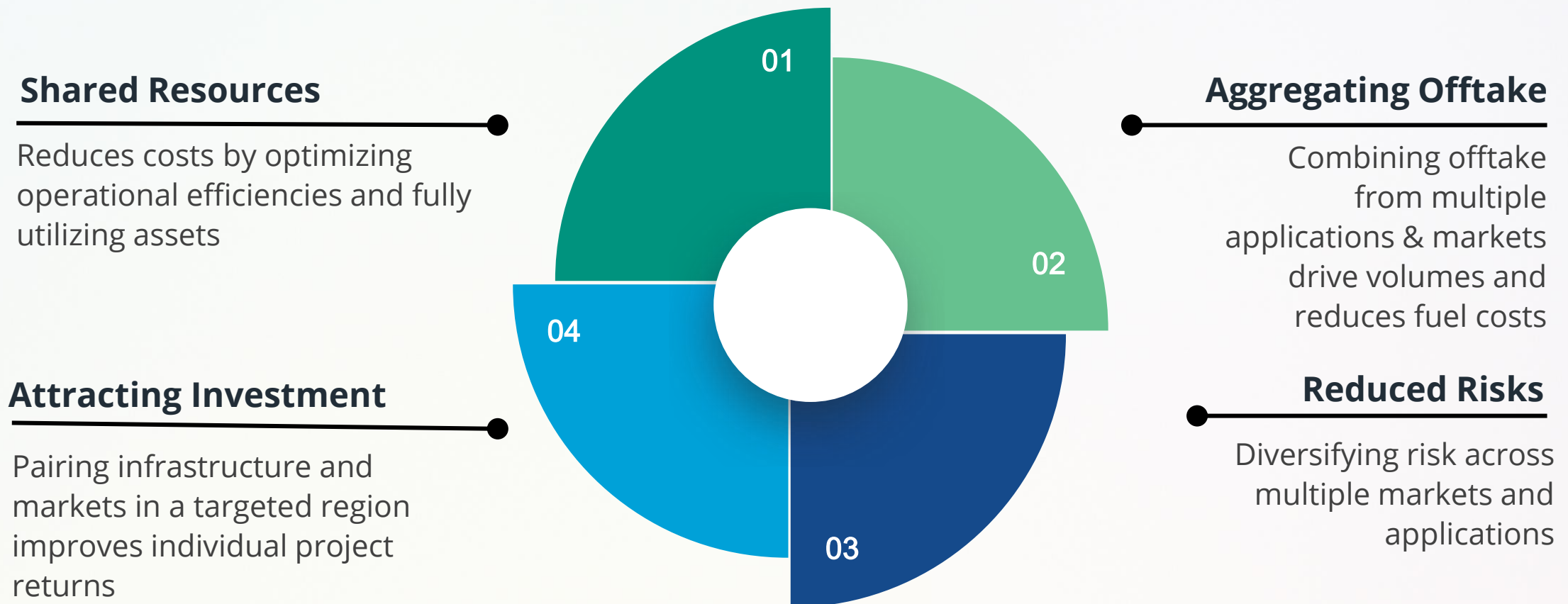
"Low-emissions hydrogen production from projects that are today operational or have reached final investment decision is set to reach 4.2 Mt per year by 2030, a fivefold increase compared with 2024 production... demonstrating impressive growth for a nascent sector." — *IEA, Global Hydrogen Review 2025*



HTEC: A Hub Approach

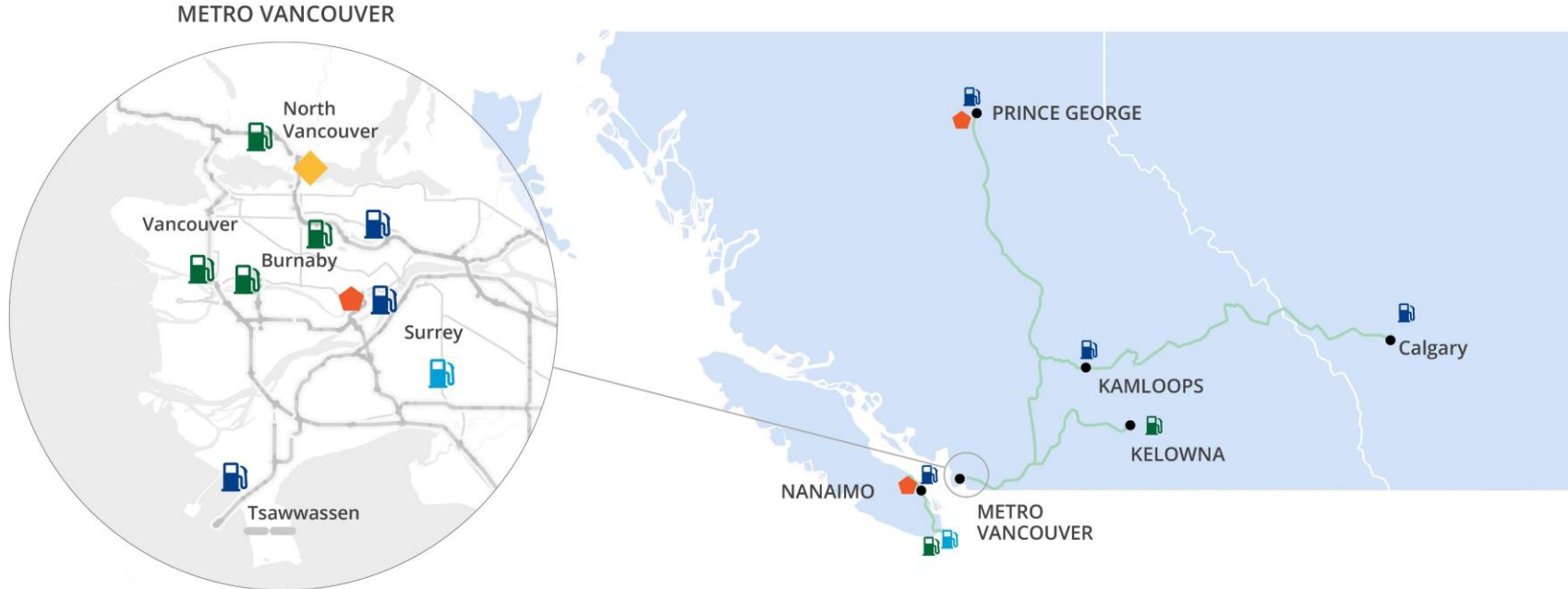
A practical pathway to zero-emission transport

Hydrogen hubs are organized networks where people and facilities involved in making and using clean hydrogen work together efficiently. These hubs aim to speed up the production and usage of clean hydrogen by taking advantage of the benefits that come from having everything closely connected in an industrial cluster. - *Rocky Mountain Institute (rmi.org)*



H2 Gateway

Driving the adoption of hydrogen in targeted regional hubs



Legend

- Existing LD H2 Fueling Stations
- Planned HD H2 Fueling Stations
- Planned LD H2 Fueling Stations
- Planned H2 Liquefaction Facility
- Planned GH2 Production Facilities

Station locations for some sites are to be determined.



4
Regional Hubs in BC



\$945M
Infrastructure investment



\$337M
CIB Debt Financing



284
Jobs created/retained



Up to
135 ktCO₂e
GHG emissions reduction per year

Metro Vancouver Hydrogen Hub

**HD Station
Network**



**BURNABY CLEAN HYDROGEN
PRODUCTION FACILITY**



**250+
FCEVs**



**Class 7 &
8 FCETs**



RTG Crane

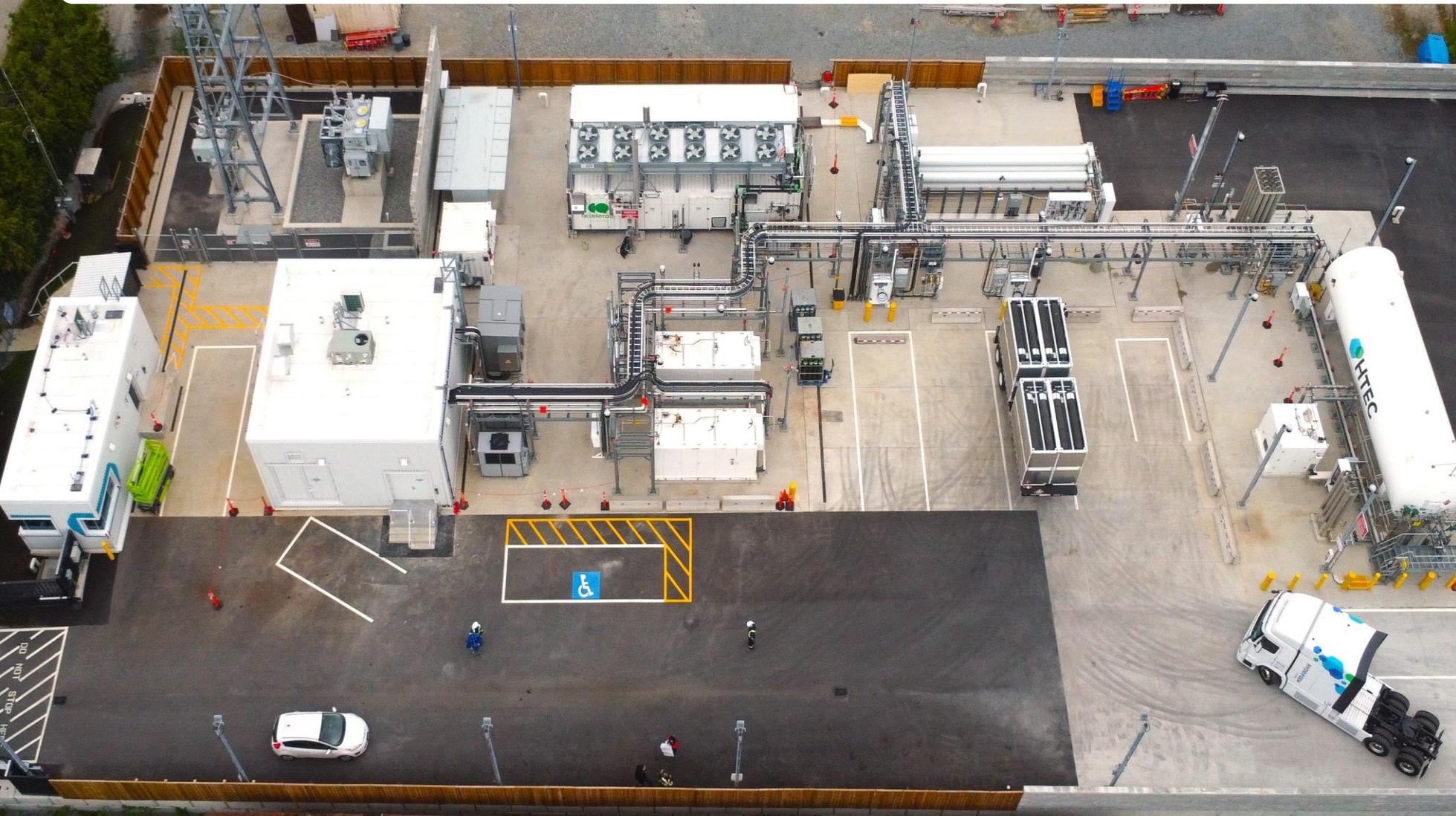


**LD Station
Network**



Burnaby Clean Hydrogen Production Facility

Liquid to gas supply online –Electrolyzer installed and in commissioning



2025
Commercial
operation



Up to
2 TPD
Daily capacity



3500/65
FCEVs/FCETs
supported



14
Jobs



Up to
10 ktCO₂e
GHG emissions
reduction per year

Retail Fueling Station Network

Kelowna, Greater Vancouver, Victoria



95%
Network
Availability



6
Years of safe
operation



700
Bar pressure



5
Minute fill time

Heavy-Duty Fueling Station Network

1st Heavy Duty Station Under Construction, Tsawwassen



1st

**Commercial HD
station in BC**



12+

**Class 8 trucks
supported**



700/350

Bar pressure



<20

Min fill time



Up to

400kg

Dispensed per day

Fuel Cell Electric Truck Leasing

HTEC Leasing Program enables demand



> 100

Heavy-duty fuel cell electric trucks planned



7 & 8

Class of trucks



5 + 7

Trucks received & on order



12

Trucks leased through local operators



Zero

Tailpipe emissions

Thank you!

**Contact me at
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