

BUILDING THE HYDROGEN ECONOMY: Opportunities for Manufacturing

The Edmonton Metropolitan Region is Canada's largest hydrogen hub, producing low-cost, low-carbon hydrogen on a global scale. As markets for hydrogen grow over the coming years, there will be opportunities for manufacturers to play an important role in the scale-up of innovative technologies that will be needed across a range of sectors.

Key Opportunities for Manufacturers

DIVERSIFICATION

Introduce new lines of business by producing components, materials, and infrastructure.

DECARBONIZE OPERATIONS

Utilize hydrogen technology to reduce emissions.

INNOVATION

Partner with regional leaders and engage with pilot projects taking place across the hydrogen value chain to co-create solutions, access cutting-edge technologies, and enhance future hydrogen applications.

Why the Edmonton Region?

Global Leadership in Hydrogen

- Home to the world's largest low carbon/zero carbon hydrogen production facilities
- \$30B+ projected for hydrogen-related investments by 2030.
- Unique ability to produce low-cost, low carbon hydrogen on a global scale.

Supportive Ecosystem

- Local support for technology de-risking, commercialization, and training
- Incentives of up to 60% for clean technology projects

Growing Infrastructure

 Expanding hydrogen pipeline infrastructure and fueling networks



SUCCESS STORIES

Dow Chemical's Net-Zero Ethylene Complex

A world's-first project using low-carbon hydrogen to decarbonize 20% of DOW's global ethylene production.

ATCO Fort Saskatchewan Hydrogen Blending Pilot

A regional pilot delivering natural gas with a 5% hydrogen blend powering the Bremner Community.

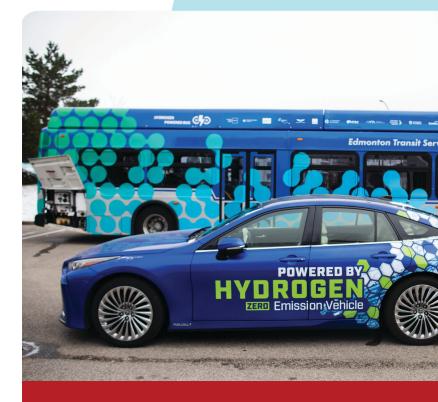
Edmonton International Airport (YEG)

Investing in hydrogen-powered vehicles and infrastructure to become Canada's first net-zero airport.

5,000 Hydrogen Vehicle Challenge

Aims to put 5,000 hydrogen-powered or dual-fuel vehicles on Western Canada's roads within five years.





How to get involved

CONNECT

- Join the Hydrogen Supply Chain Mapping Platform.
- Leverage expertise from regional partners.

ACCESS FUNDING

• Explore incentives for clean tech and hydrogen-related projects.

STAY INFORMED

- Attend the 2025 Canadian Hydrogen Convention hosted in Edmonton in April (hydrogenexpo.ca)
- Visit Edmonton Global's website and subscribe to the Global Briefing to stay up to date on the latest news in hydrogen.

