

# 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.



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## 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](http://hydrogenexpo.ca))
- Visit Edmonton Global's website and **subscribe to the Global Briefing** to stay up to date on the latest news in hydrogen.