

CANADA'S GLOBAL LEADERSHIP:

Hydrogen and Fuel Cells

President & CEO

Hydrogen Energy in Canada



World-leading fuel cell companies and technology

CHFCA

Strong hydrogen technology

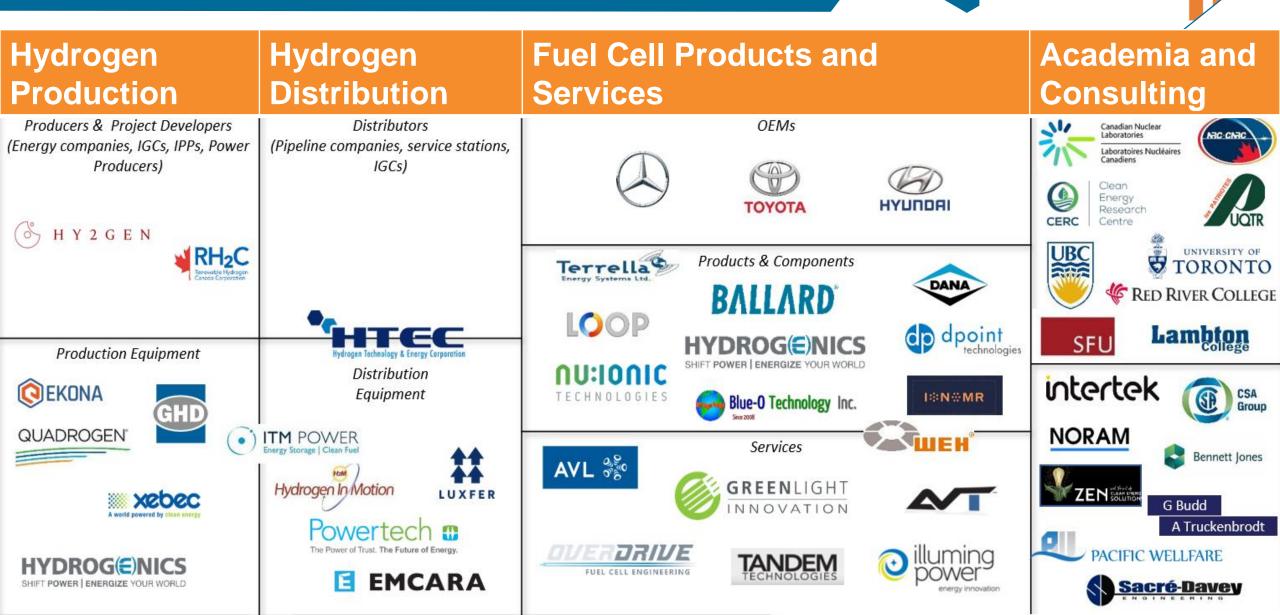
Largest low-carbon hydrogen production

- From renewable power via electrolysis
- From natural gas with carbon sequestration

Government leadership

Growth, Investment, Jobs

CHFCA Members



CHFCA

Clean. Efficient. Energy

Advantages of H₂+FC Solution





2. Go farther / Fill faster



3. Speed / Scale

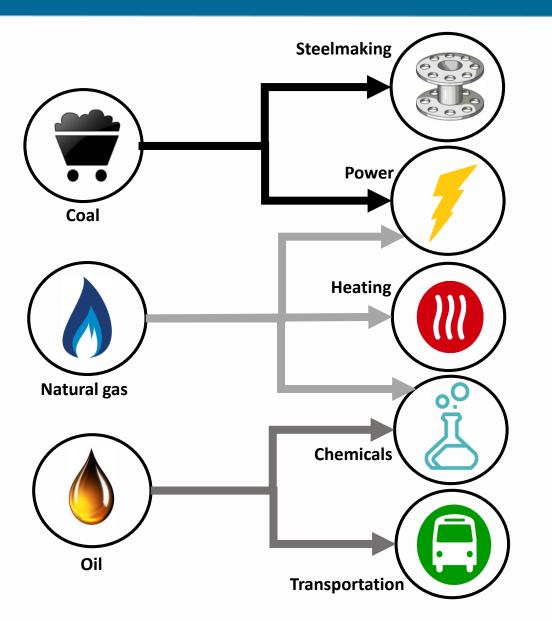


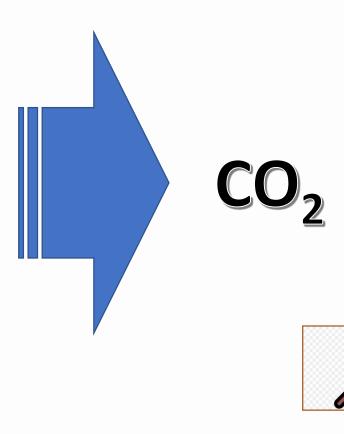
 Hydrogen is an essential part of the solution to climate change and the reduction of greenhouse gas emissions

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 These key advantages are why hydrogen can decarbonize key economic sectors, from heavy duty transportation to residential heating to industrial processing

Energy Use Today







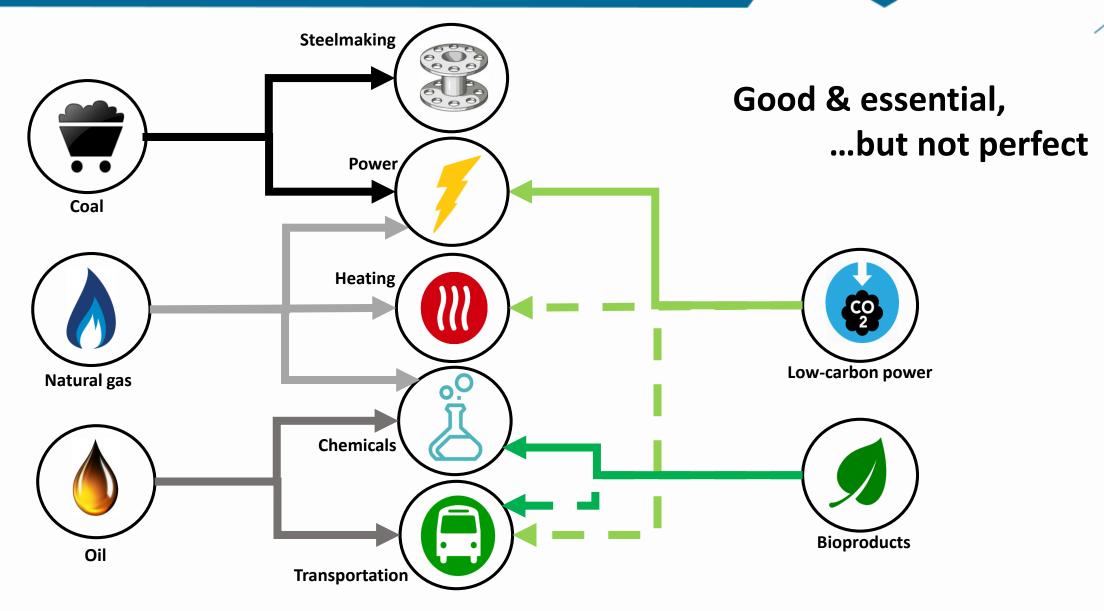


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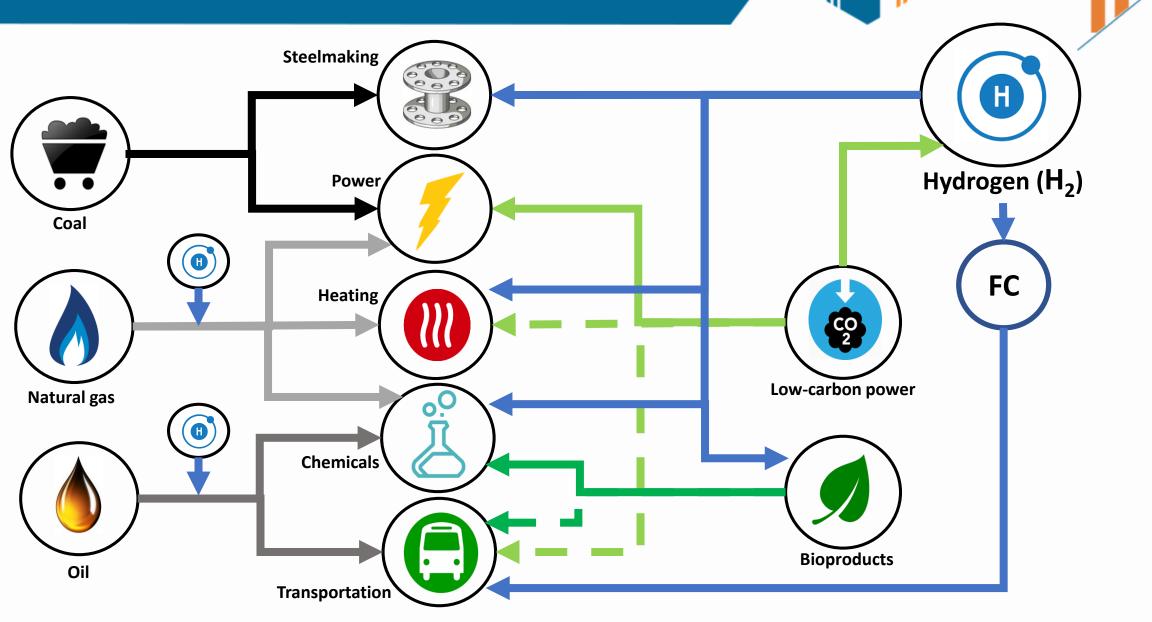
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Solutions to Lower CO₂





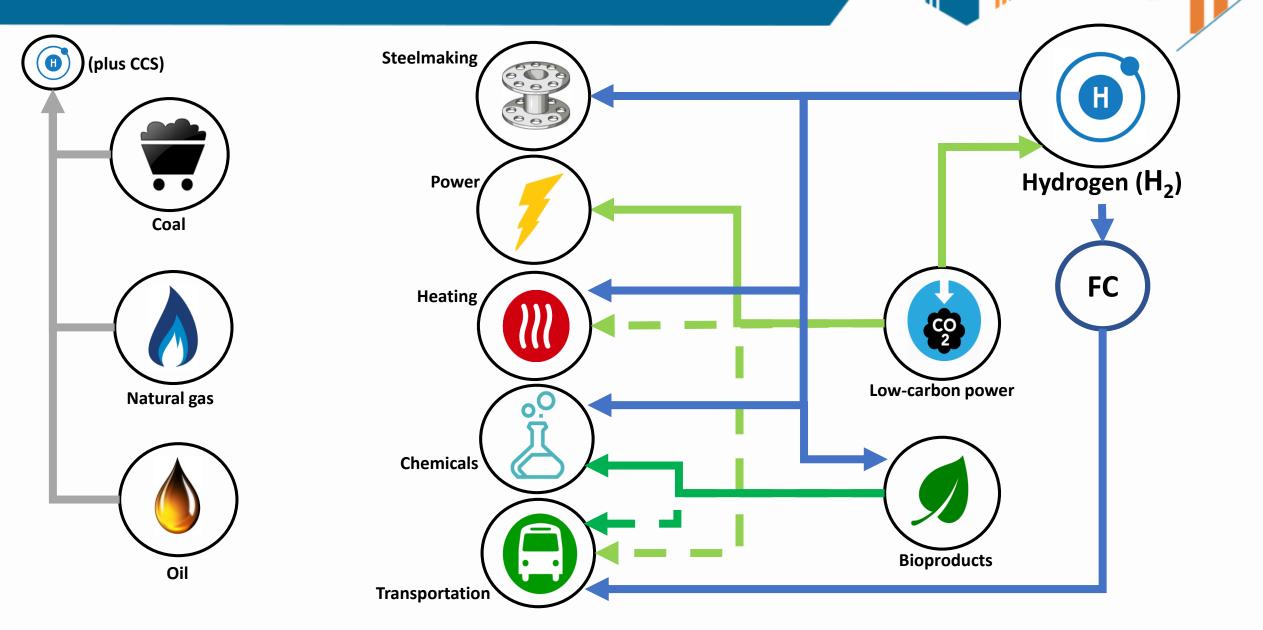
Hydrogen for Energy



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Clean, Efficient, Energy

Carbon Neutral Energy Future

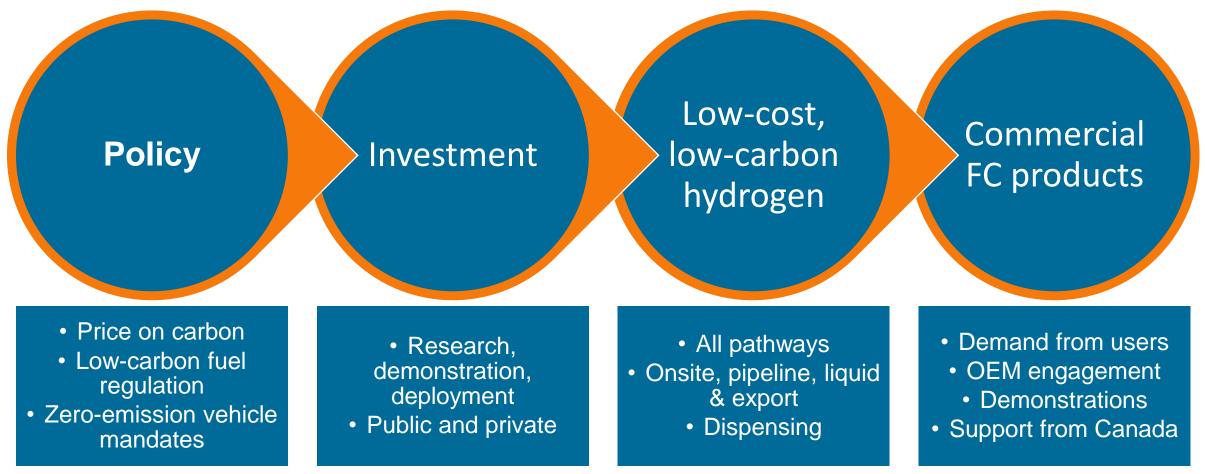


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What Is Needed?







Speed / Scale



- Produce heating and transportation fuels for domestic and export markets
- Leave the carbon in the ground
- H₂ provides off-peak load, energy storage and low-cost, reliable means to transport energy

Power

Industry



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Engage major

industries in

transition

- Existing assets
- Avoid cost/complexity heating electrification
- Can start blending immediately
- Provides load/storage for H₂ production

Industries with resources, skills and scale to make low-cost, low-carbon H₂ available

Canada's role in H₂ Energy



Centre of competency in fuel cell and hydrogen technologies

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- The cradle of fuel cells
- Government leadership
- Domestic opportunities
 - An exporting nation

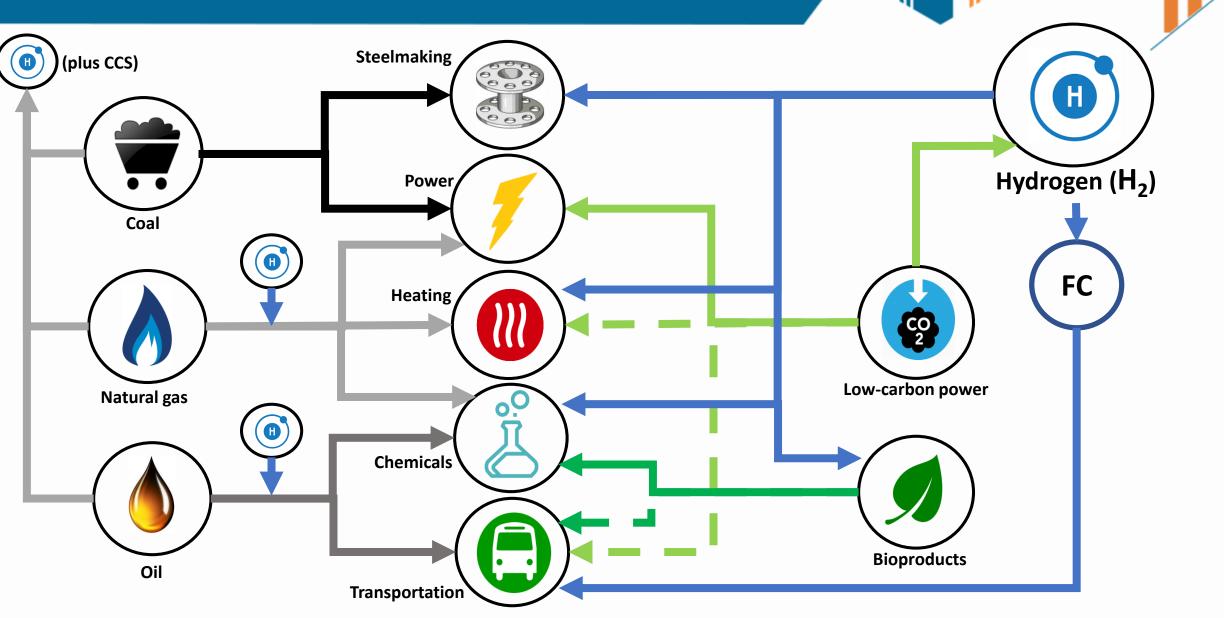




Thank you!



Hydrogen for Energy



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