



STRATHCONA
COUNTY

Hydrogen

Leading, diversifying, & innovating

Strathcona County is one of the most competitive regions in the world for petrochemical investments – the perfect location for hydrogen production & downstream operations due to the existing cluster, cost-advantaged feedstocks, specialized workforce, built out infrastructure, & tax environment.

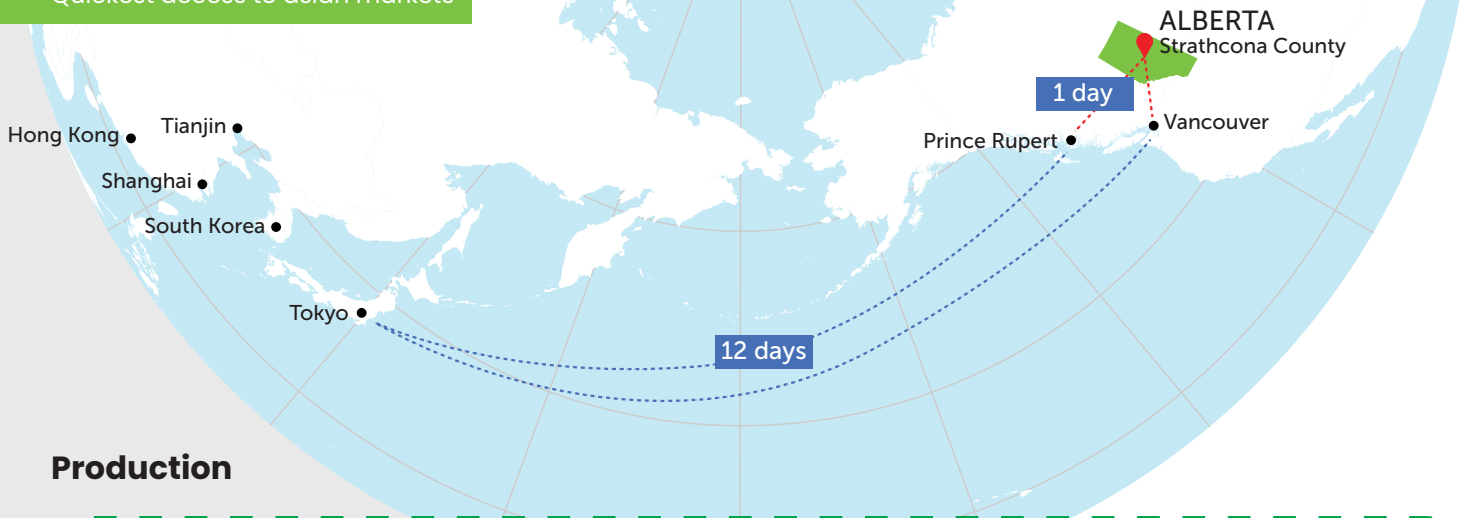
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STRATHCONA COUNTY

Competitive advantages

Export market

Quickest access to asian markets



Production

Hydrogen & ammonia project announcements



The world's first net-zero carbon emissions integrated ethylene cracker & derivatives facility. The operation will be fuelled by hydrogen that is converted from cracker-off gas.



A large-scale carbon capture & storage (CCS) project at its Scotford Complex - providing customers with lower-carbon fuels & products into the future, such as hydrogen.



The most efficient rail logistics solution in Alberta's Industrial Heartland - aggregating conventional & clean energy to support transportation of Alberta's diverse energy products & strengthening Canada's green energy future.



Building a world class hydrogen/ammonia facility in the Alberta Industrial Heartland. Hydrogen Canada Corp. seeks to supply low carbon, cost advantaged energy to South Korea & other countries in Asia with its South Korean partner, El Corporation.



This auto-thermal hydrogen production facility is expected to be on-stream in 2024 producing clean, natural gas-based hydrogen.



Developing an integrated clean fuels supply chain between Canada & Japan through the production of clean natural gas-based hydrogen that will be shipped to Japan.



Constructing a renewable diesel complex with carbon capture that will source natural gas-based hydrogen as feedstock.

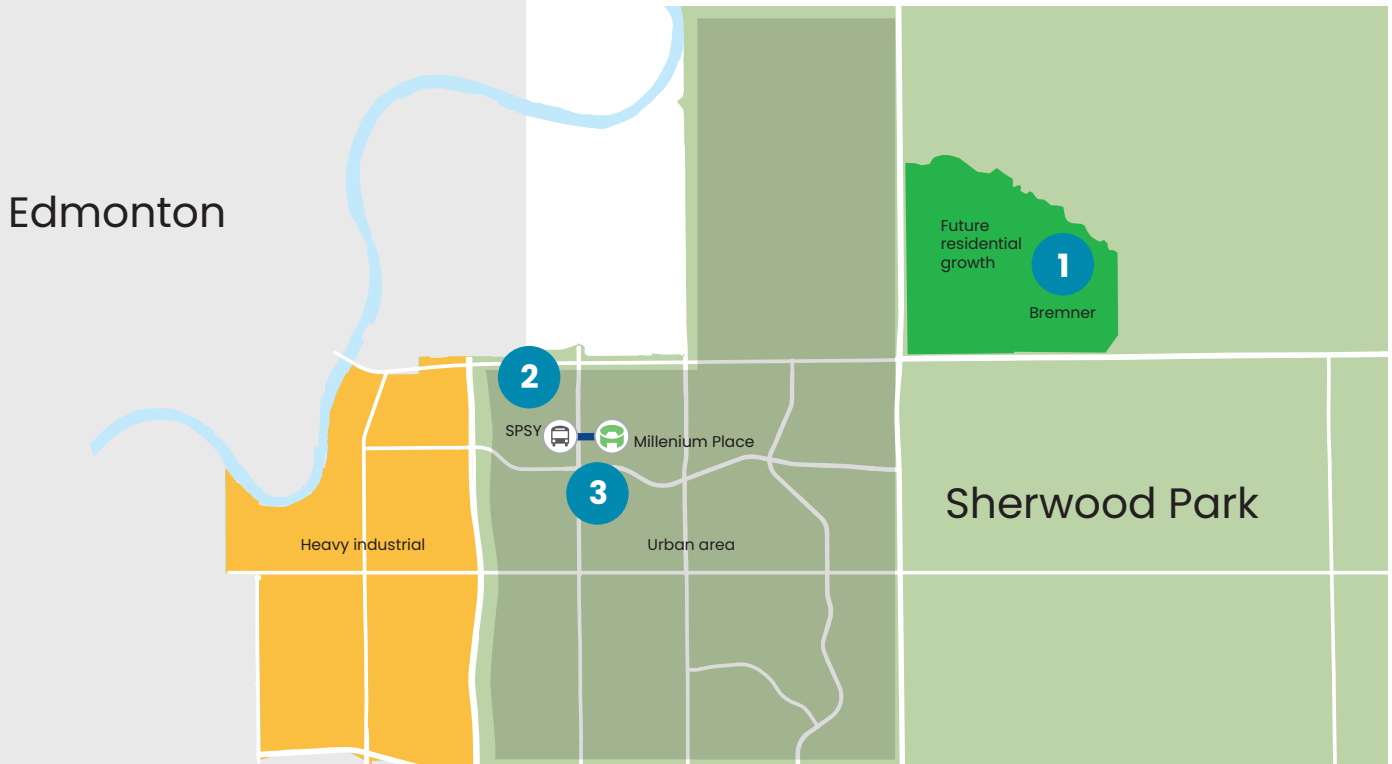


Developing a low-carbon ammonia supply chain from Western Canada to Japan & other Asian markets, including a low-carbon hydrogen & ammonia production facility in Alberta's Industrial Heartland.

STRATHCONA COUNTY

Competitive advantages

End use & supply chain



1 Hydrogen community

Bremner will be Sherwood Park's newest community, the future home to 85,000 residents and to commercial and industrial businesses. A Canadian first, and globally, the largest scale project of its kind.

2 Hydrogen bus

The hydrogen fuel cell electric bus arrival in Strathcona County. A key milestone to prepare for pilot testing in the region as part of Alberta Zero Emission Hydrogen Transit (AZEHT) initiative.

3 Hydrogen pipeline corridor

Strathcona County and ATCO are exploring feasibility of a pipeline that would deliver hydrogen for combined heat and power at Millenium Place recreation centre, and possibly an expanded local network.

STRATHCONA COUNTY

Success stories



Imperial is building Canada's largest renewable diesel complex Strathcona County. The complex is expected to produce more than 1 billion litres per year of renewable diesel from locally sourced feedstocks. The project is expected to realize about 3 million tonnes per year in emissions reductions in the Canadian transportation sector.

Imperial has experienced growth & diversification in the community – exploration, production, mid-stream operations, manufacturing, wholesale & retail sales. Imperial benefits in having access to high-quality infrastructure, strong-post secondary system, & skilled work force the region provides.

Businesses choose Strathcona County & are supported here. See how at strathcona.ca/stories.

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