



Edmonton

A wealth of opportunities for growth

JETRO Toronto - Canada IT Investment and Innovation Seminar



TALENT, INNOVATION, & GROWTH

TALENT

- 1.3 Million people
- 68.6% of workforce has post-secondary education (Highest rate in Canada)
- Youngest population in Canada, Median age: 36.7 years
- Talent is drawn to the region by low cost of living and high quality of life.
- Home to 26 provincially regulated post secondary institutions
 - Northern Alberta Institute of Technology (NAIT) largest technical apprentice trainer in Canada

INNOVATION

- Several thousand high-tech companies and innovation leaders
- Home to the National Institute for Nanotechnology (NINT)
- Highest Total Entrepreneurial Activity in Canada
- Startup Network: TEC Edmonton, Startup Edmonton, The Business Link, Alberta Innovates, InnoTech, amii

GROWTH

- The highest population growth in North America (Up 22% from 2007 –2017)
- 1 in 6 residents were born outside of Canada
- The Edmonton Metropolitan Region is Canada's 5th Largest Regional Economy worth approximately \$100B
 - Toronto, Montreal, Vancouver, Calgary, Edmonton, Ottawa, Winnipeg ...

COMPETITIVE AND AFFORDABLE

COMPETITIVE

- 4.1% annual average GDP growth (highest in Canada)
- 11,000 acres of available industrial land
 - inexpensive real-estate for growth
- Reduced operating costs
 - Low price for utilities in the region
 - Among the lowest natural gas prices in the world

AFFORDABLE

- Lower housing costs than other major cities in Western Canada or USA
- Business friendly tax regime
 - 0% Provincial Retail Sales Tax
 - 0% Municipal Retail Sales Tax
 - Low Personal Income Tax
 - 0% Municipal Payroll Taxes
 - Low Corporate Tax*
 - federal corporate income tax rate of 15 percent.
 - provincial corporate income tax rate of 12 percent (*Alberta has introduced a bill to lower rate to 8% by 2022 – Alberta's provincial business tax rate will be the lowest in Canada by nearly 45 per cent and lower than 44 American states.*)



FOCUS SECTOR

ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, & DATA PROCESSING

- Anchored by world-renowned machine and reinforcement learning entities such as amii and AltaML the region has attracted world leaders such as Google Deepmind
- Artificial Intelligence thrives due to a continuous stream of highly skilled talent from strong post-secondary institutions
- A virtuous cycle - skilled talent has attracted businesses to the region, and new business/job opportunities attract talent
- University of Alberta is ranked among the top 5 universities in the world for Artificial Intelligence, Machine Learning, and Data Processing
- Boundless potential, applicable to opportunities across varying sectors



FOCUS SECTOR

HEALTH AND LIFE SCIENCES

- Home to a concentration of premier R&D institutions, government-backed initiatives, and an abundance of talent
- Advancements in the sector, complemented by AI and Advanced Manufacturing have led to profound innovations
- Headquarter city of Alberta Health Services (AHS), Canada's first province-wide, fully-integrated health system
 - AHS provides an open data source allowing for more collaboration and faster growth.
- University of Alberta is host to Canada's largest pharmacy and pharmaceutical science facility
 - Ranked in top 15 worldwide for translational research.
- Edmonton's R&D ecosystem includes:
 - BioAlberta Association
 - Edmonton Health City
 - Genome Alberta
 - Precision Health
 - Mazankowski Heart Institute
 - Alberta Diabetes Institute
 - Glenrose Rehabilitation Hospital





FOCUS SECTOR

MANUFACTURING

- Alberta has the 3rd largest Industrial Equipment Manufacturing sector in Canada
- The region is home to ACAMP (Alberta Centre for MNT Products - MNT stands for Microsystems and nanotechnology). Entrepreneurs and innovators use ACAMP to turn proof-of-concept prototypes into a market quality products
- Strategically positioned:
 - Home to numerous OEM certified remanufacturing and service centers
 - Heavy manufacturing and service hub for western Canadian heavy industry



FOCUS SECTOR

PETROCHEMICALS

The Edmonton region's energy sector is the powerhouse of the Canadian economy. Alberta's Oil Sands represent the 3rd largest hydrocarbon reserve in the world.

- Regional refining capacity is 483k bpd or roughly 1/4th of Canada's total refining capacity
- Home to the largest concentration of petrochemical processing capacity in Canada
 - entire petrochemical value chain, from primary extraction and processing, to market delivery
- Products from 4 nearby refineries used to produce propylene, ethylene, cellulose acetate, and polyethylene

GREEN TECHNOLOGIES

The Edmonton Metropolitan Region also pursues innovation and technology to reinforce current strengths in energy

- Expertise in the traditional energy sector has been translated and applied to renewable energy.
- Innovators are developing technologies and processes to redefine the future of the energy sector on a global scale
- Notable firsts include Shell Quest, the first refinery in the world with carbon capture technology which is 65% more energy efficient than any other refinery in the world
- Renewable and alternative energy developments; notably applied research and production scale facilities for, biofuels, geothermal power production, and solar energy

FOCUS SECTOR

FOOD AND AGRICULTURE

The region is poised to play a pivotal role in innovation surrounding this industry with access to state-of-the-art R&D facilities and advanced manufacturing sector.

- Primary Production:
 - Roughly 1.7 million acres of farmland and more room to grow.
 - Well-suited for grain, oilseed, pulse, and livestock production,
- Value Added Processing:
 - The food production sector focuses on Grains, Oilseeds & Pulses, Beverages (Breweries), and Fruits & Vegetables.
 - In the last 5 years, value-added processing has grown by 21%.
 - Edmonton's R&D Ecosystem includes:
 - Alberta Food Processing and Development Centre
 - Alberta Bio-Processing Innovation Centre
 - Innotech Vegreville
 - University of Alberta – Faculty of Agricultural, Life and Environmental Sciences
 - NAIT Centre for Culinary Innovation
- Cannabis and Hemp
 - Hemp: Alberta is North America's second largest producer (45,000 acres in 2017).
 - textiles, fuel, personal care items, pharmaceuticals, food, beverages and extraction of CBD.
 - Cannabis: Recent legislation allows industrial marijuana production for medical and recreational uses. The region is home to Aurora Cannabis, the largest cannabis producer in the world



FOCUS SECTOR

LOGISTICS AND DISTRIBUTION

• RAIL

- Canadian National and Canadian Pacific Railroads - access nationwide as well as throughout the US and Mexico
- 16 rail intermodal transport and storage facilities.

• AIR

- Edmonton International Airport (EIA) is Canada's largest airport (by area),
- 5th busiest - 8.2 million passengers and 27,113 tonnes of cargo in 2018
- Closest major North American city to China's major airports
- One of only 3 cargo airports in Canada with a 24-hour operational capacity
- International Cargo Partnerships: Air China, Korean Air, Icelandair, Air France/KLM
- Cargo Village: 8 integrated courier/freight carriers, 3 independent cargo handlers, 40 freight forwarders and customs brokers, 6 cargo terminals

• HIGHWAYS

- Major highway interconnections (spanning coast to coast and from Alaska to Mexico)



OUR PARTNERS





Thank You

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