

EDMONTON REGION: A HUB FOR AI AND REINFORCEMENT LEARNING

The Edmonton region's highly skilled workforce and leading innovation centres such as Alberta Machine Intelligence Institute (Amii), Innovate Edmonton, and Northern Alberta Institute of Technology (NAIT) have made it a national leader and hub for artificial intelligence (AI) and reinforcement learning (RL).

AI technology represents massive market opportunities



US\$ 262 billion

The global AI market was worth approximately US\$ 57.9 billion in 2020 and is expected to reach US\$ 262 billion by 2025.



US\$ 23.2 billion

Canada's AI market was valued at US\$ 2 billion in 2020 and is projected to reach US\$ 23.2 billion by 2025.



27%

Canada accounted for 3.5% of the global AI market and 27% of North America's AI market in 2020.

World-Class Talent and Research Capabilities



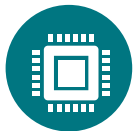
1st

Edmonton has the highest education rate in Canada



1st

Canada ranks first in workforce competitiveness in North America



3rd

The University of Alberta ranks 3rd in the world for AI and machine learning research



4th

Canada ranks 4th in AI talent globally



Leading researchers

University of Alberta's Dr. Richard Sutton is the most cited researcher worldwide in RL



Top 5

Canada is among the top 5 countries for attraction of skilled talent



ALBERTA MACHINE
INTELLIGENCE INSTITUTE



INNOVATE
EDMONTON





Innovation Ecosystem

Vibrant tech scene

Nearly 400 technology companies in the region.

Established AI cluster

160 companies with AI expertise – representing the second largest cluster in Canada.

Globally recognized AI research capabilities

Amii is recognized globally as one of the top five institutes for AI and ML research.

Global AI research hub

Attracted by the region's AI ecosystem, tech giants and global players such as Google, IBM, Microsoft, Imperial Oil, Hoffmann-La Roche, among others, have established AI research centres in the region.

World leader in video game and digital media development

Edmonton is recognized as a world leader in video game and interactive entertainment development. Regional expertise in AI, ML and computer science makes it an ideal destination for game development.



Innovation-Friendly Regulatory Framework

- Canada has a more permissive regulatory structure around AI technology than most OECD countries.
- Strong intellectual property protection system to facilitate knowledge management and commercialization of research.
- Edmonton maintains an open data portal and adopts the international open data charter.



Favourable Business Environment

- Canada has the lowest business costs among G7 nations.
- As of 2019, Canada's Marginal Effective Tax Rate is the lowest among the G7 countries (13.7%).
- Alberta has the lowest corporate tax rates in Canada at 8%.
- Aspects of Canada's social safety net (e.g. universal health-care) lowers investors' operating expense.

