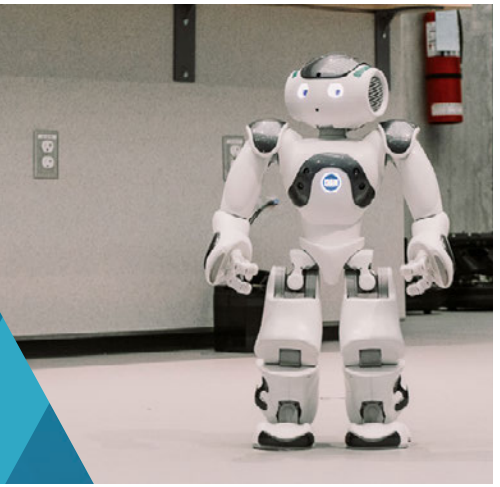


ROBOTICS AND AUTOMATION

An innovative business community and world-renowned talent pipeline make Waterloo the best place in Canada to grow a robotics and automation company



WATERLOO: CANADA'S LARGEST ROBOTICS AND AUTOMATION CLUSTER

A legacy of manufacturing innovation, a reputation for technology leadership and a strategic location have made Waterloo a Canadian leader in robotics and automation. Home to Canada's top technology university and industry giants like Toyota and Siemens, Waterloo has the talent pipeline and expertise needed to help robotics and automation companies innovate and grow.



AT A GLANCE – WATERLOO'S ROBOTICS AND AUTOMATION SYSTEM

World-Class Talent Pipeline: University of Waterloo (UWaterloo)

#1 Computer Science Program and largest engineering school in Canada. Programs include:

- Mechatronics Engineering
- Mechanical Engineering
- Electrical Engineering
- Software Engineering

Conestoga College

The only college in Ontario offering fully accredited engineering degrees. Programs include:

- Robotics and Industrial Automation
- Automated Manufacturing
- Mechanical Engineering
- CAD for Design and Manufacturing
- Applied Manufacturing Management
- Manufacturing Engineering

Significant Robotics and Automation Innovation Resources:

RoboHub

A state-of-the-art robotics research, testing and training facility, created to explore the potential of multiple robotic technologies.

Centre for Smart Manufacturing and Digital Innovation

An industry-driven applied research centre at Conestoga College focusing on High-Performance Manufacturing and ICT-Enabled Intelligent Manufacturing.

Catalyst137

A 475,000 square foot Internet-of-Things manufacturing space designed to help companies scale new ideas quickly. Tenants include Toyota, BorgWarner and Miovision.

Artificial Intelligence Institute

UWaterloo's artificial intelligence research centre with a particular focus on an application-driven approach to develop lightweight, compact AI that requires minimal computing power and has potential applications across industries.

INTERNATIONALLY RECOGNIZED AND LOCALLY SIGNIFICANT COMPANIES

INTERNATIONAL



LOCAL



ROBOTICS AND AUTOMATION



WATERLOO PROVIDES A CLEAR PATH TO ROBOTICS INNOVATION

A manufacturer of autonomous mobile robotics solutions, Clearpath Robotics is dedicated to automating the world's duller, dirtier and deadliest jobs. As a company that requires a wide range of talent and expertise – from software development and computer simulation to robotics design and manufacturing – Clearpath appreciates the unique talent and technology ecosystem in Waterloo.

"I have visited many communities worldwide and Waterloo Region is world-class when it comes to technical talent, innovation and drive for success. The region is a hotbed of opportunity for anyone who wants to work hard and make a big impact."

- Bryan Webb, Co-Founder and COO, Clearpath and OTTO Motors

ROBOTICS AND AUTOMATION SPECIALIZATIONS



**CUSTOM AUTOMATED
MANUFACTURING
EQUIPMENT**



**ADVANCED
MOTION**



**ROBOTS AND
AUTONOMOUS
ROBOTS**



**SYSTEMS
INTEGRATION**



**PROGRAMMABLE
LOGIC
CONTROLLER
(PLC)
PROGRAMMING**



**MACHINE
VISION**



**PROCESS
AUTOMATION**

WATERLOO. COLLABORATIVE. INVENTIVE. ENTREPRENEURIAL.

- Futureproof talent pool of 73,000 students from three internationally recognized post-secondary institutions – UWaterloo, Wilfrid Laurier University, Conestoga College – which produce graduates with 2+ years relevant, real-world work experience.
- UWaterloo is home to the world's largest concentration of math and computer science talent.
- Waterloo is centrally located within the Toronto-Waterloo Corridor and provides access to more than 150+ million consumers.
- Thriving startup community – second highest density of startups in North America
- One of Canada's most innovative regions, with an average of 15 patents granted per 10,000 people (11 times the national average).
- Supportive and collaborative ecosystem with 150+ research centres working together to make an impact and support a risk-taking approach to solving real-world problems.



WATERLOOEDC
inventing the future

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These are guidelines only, we strongly advise that you contact the appropriate specialist in these areas. Exchange rates displayed are based on \$1.32 USD to CAD.

Waterloo EDC is the operating name of Waterloo Region Economic Development Corporation. When referenced, Waterloo refers to Waterloo Region.

NOTE: Every effort has been made to ensure the accuracy of the information in this publication at the time of writing, however, the programs referred to and the data cited are subject to change. All figures are in Canadian dollars unless otherwise noted.