



SECTOR PROFILE

CLEANTECH

#2

Peterborough was ranked #2 City in Canada (#1 in Ontario) for Watertech Startups by Water Canada.

5.9B

\$5.9B total GDP in 2021 across all industry sectors and is projected to grow by 13% from 2021-2026.

SOURCE: EMSI ANALYST

**TOP
20**

Trent University has one of Canada's top 20 environmental science programs with 140 different course offerings to choose from.

SOURCE: Trent University

195

Fleming College's Centre for Advancement of Water and Wastewater Technologies has provided project assistance to 195 partners

SOURCE: CAWT

14

Trent University is home to 14 State of the Art environmental and life science focussed research facilities.

SOURCE: Trent University

**87,000
SQ FT**

Fleming College's Kawartha Trades & Technology Centre is an 87,000 square foot trades and technology skills training facility, located in Peterborough providing facilities for teaching and training students from Fleming College, regional secondary schools, and regional industry.

PETERBOROUGH & THE KAWARTHAS

Global Leaders that call Peterborough Home

■ SIEMENS ■ Rolls-Royce Navel Marine Canada ■ SGS Canada

NATIONAL

It is estimated that in 2018, environmental and clean technology (ECT) activities accounted for **\$66 billion, or 3.2% of Canadian GDP.** (1)

There are more than **82,000 cleantech employees** working across the Canadian sector. (2)

Canada's current target for 2025 is to make clean technology one of the **top five exporting industries**, nearly tripling current value to \$20 billion annually in exports. (3)

Canadian Clean technology exports were valued at **\$7.8 billion in 2016**, excluding electricity, energy products and primary products, waste management and other services. (4)

Canada ranked 4th in the Global Cleantech Innovation Index 2017. (5)

SOURCES: [1] <https://www.ic.gc.ca/eic/site/125.nsf/eng/home> [2] EDC Canada Cleantech Future, 2021 [3] Canada's Economic Strategy Tables: The Innovation and Competitiveness Imperative, September 2018 [4] Table 36-10-0371-01 Environmental and Clean Technology Products Economic Account, supply and use table, 2016 [5] Clean tech group, Global Cleantech Innovation Index, 2017

PROVINCIAL

Ontario's Cleantech Industry by the numbers:

- #1 Largest Cleantech Sector in Canada
- \$7.2 Billion Annual Exports
- 100 Water Technology Incubators
- \$25.2 Billion Contribution to GDP
- 5,000 Cleantech and Environment Companies
- 127,000 Employees
- 3 Ontario companies on the 2023 Global Cleantech 100

SOURCES: INVEST ONTARIO

Ontario offers an amazing support system for cleantech companies:

Ontario Environment Industry Association (ONEIA) represents more than 200 companies, providing environmental products, technologies and services to government and industry.

Advanced Energy Center fosters the adoption of innovative energy technologies in Ontario and Canada and leverages those successes and experiences into international markets.

Canadian Renewable Energy Association (CanREA)
As Canada sets out on a transformative journey to reach net-zero GHG emissions by 2050, we need a powerful boost from wind energy, solar energy and energy-storage technologies.

The Southern Ontario Water Consortium (SOWC) encourages collaboration between private companies and academic researchers to accelerate and commercialize innovative water technologies.

Ontario Sustainable Energy Association (OSEA) represents organizations and individuals developing renewable energy and community power projects.

Ontario Clean Technology Industry Association is mandated to strengthen, foster, and promote Ontario's cleantech community.

Cleantech Commons is Canada's Research and Technology Park focused exclusively on clean, green, low-carbon, environmental and climate technology research, innovation, entrepreneurship & commercialization.

Energy Storage Ontario Membership- based organization representing the end-to-end value chain of the country's energy storage industry including technology and component providers, project developers, energy storage service providers, power generators, electric utilities, engineering, and construction firms, as well as professional services companies and NGOs.

SKILLED WORKFORCE & TALENT

The Professional, Scientific, and Technical Service Sector in Peterborough has seen an **increase of 18% in jobs.** This industry is in the top 3 for the most employment gains as of 2021. (1)

As of 2021 in Peterborough there were **3,885 jobs** in natural and applied sciences and related occupations which is **6.3%** of the total classified jobs in the region. (2)

Over 5,400 local graduates in 2018 across all program areas for Fleming College and Trent University in 2018. 96% of Trent Grads employed within two years (3)

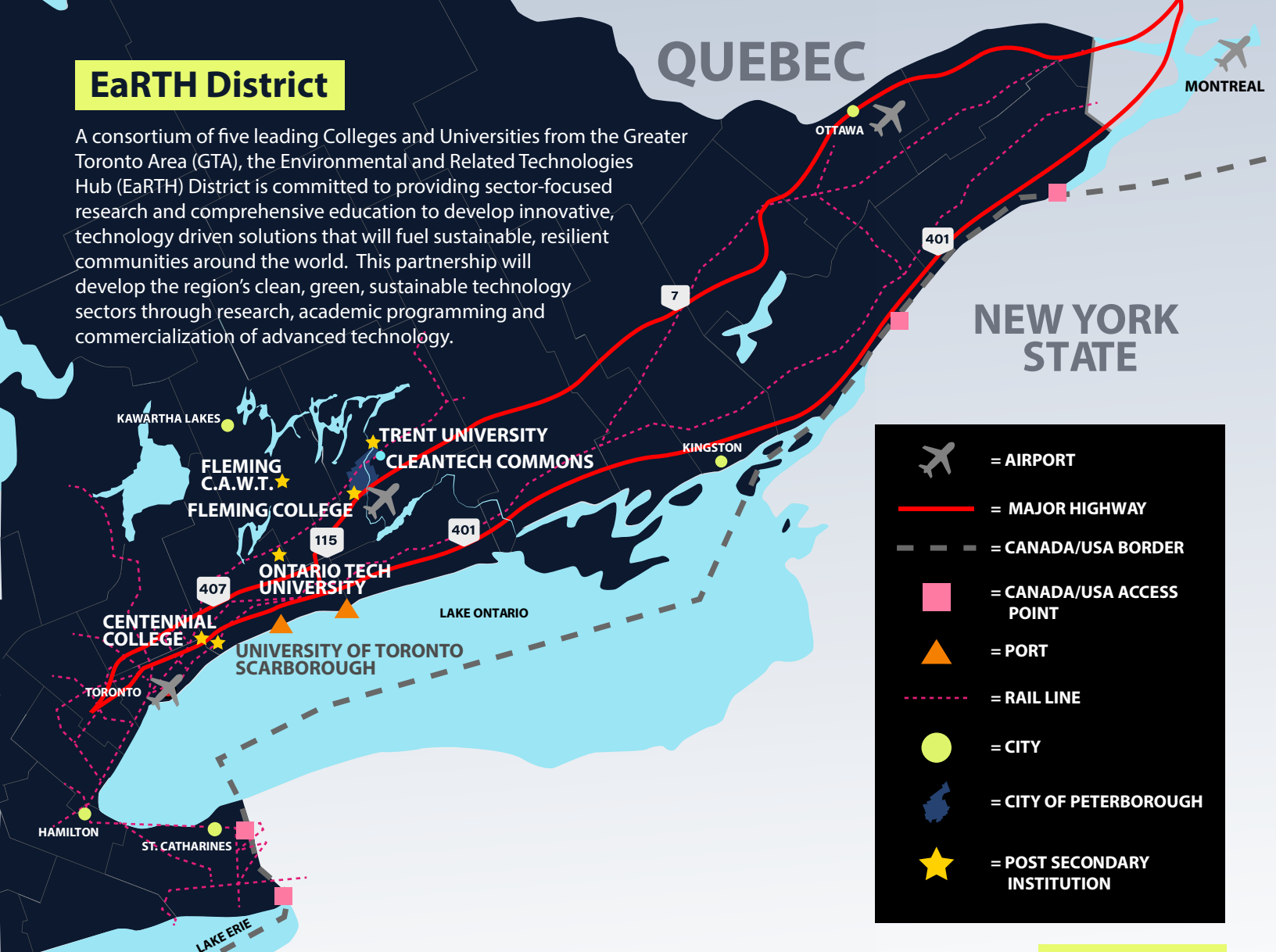
Home to a skilled **workforce over 54%** of the population possess a post-secondary certificate, diploma, or degree. (4)

14% of graduates are in STEM related occupations. (5)

SOURCES: [1] PAGE 11 WDB LMI REPORT [2] PAGE 11 WDB LMI REPORT [3] ESMI Analyst based on the Common University Data Ontario [4] TManifold Data Mining, 2021 [5] ESMI Analyst based on the Common University Data Ontario

EaRTH District

A consortium of five leading Colleges and Universities from the Greater Toronto Area (GTA), the Environmental and Related Technologies Hub (EaRTH) District is committed to providing sector-focused research and comprehensive education to develop innovative, technology driven solutions that will fuel sustainable, resilient communities around the world. This partnership will develop the region's clean, green, sustainable technology sectors through research, academic programming and commercialization of advanced technology.



Fleming College

Fleming College is creating a talent pipeline with the Water Operator and Wastewater Operator Training Programs as well as the Advanced Water Systems Operations and Management Co-op

Centre for Advancement of Water and Wastewater Technologies (CAWT) is an internationally recognized water and wastewater research institute. They provide applied research and technology development services to the private sector, government and non-governmental agencies, and universities

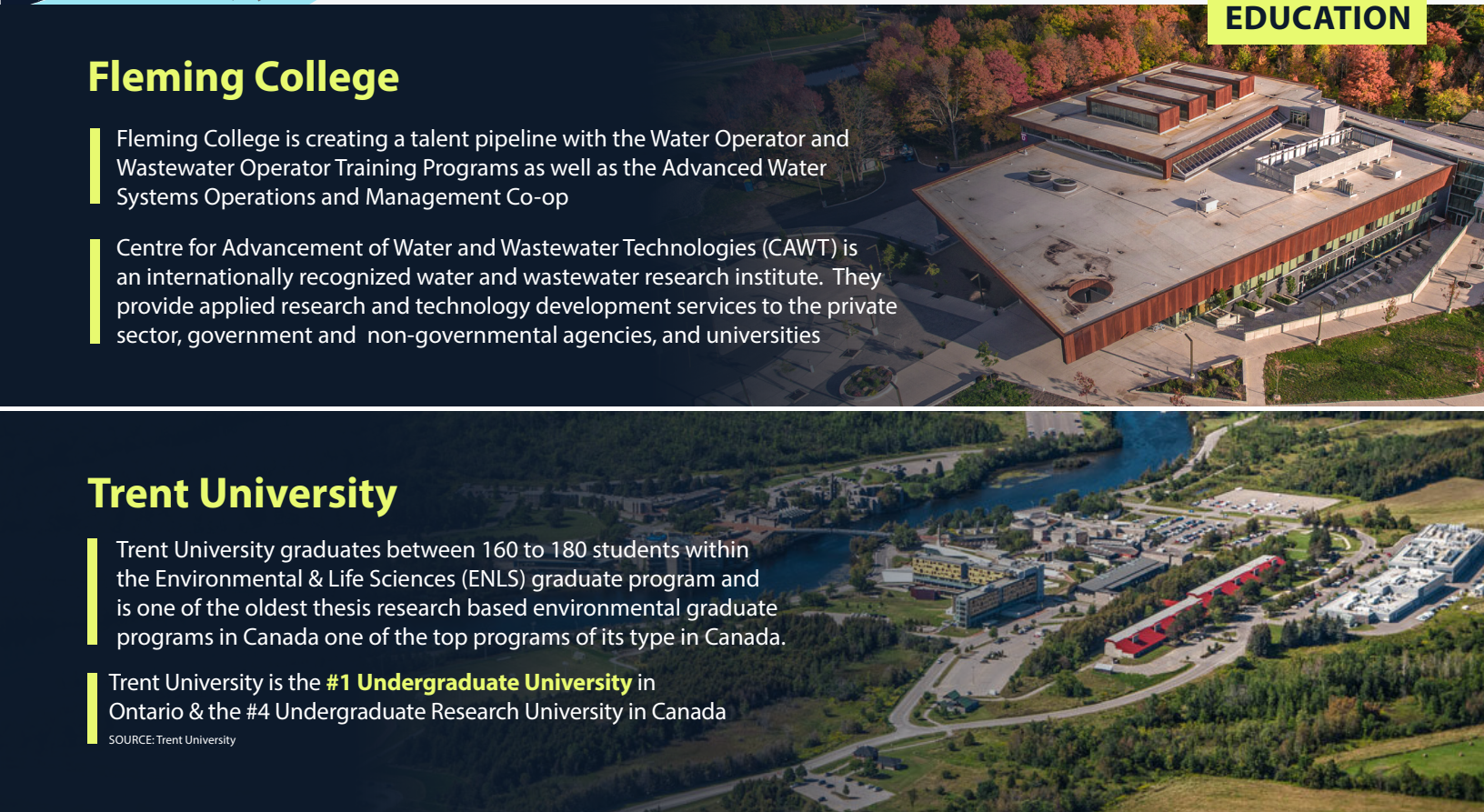
Trent University

Trent University graduates between 160 to 180 students within the Environmental & Life Sciences (ENLS) graduate program and is one of the oldest thesis research based environmental graduate programs in Canada one of the top programs of its type in Canada.

Trent University is the **#1 Undergraduate University** in Ontario & the **#4 Undergraduate Research University** in Canada

SOURCE: Trent University

EDUCATION



Discover Cleantech Commons at Trent University®

Cleantech Commons is Canada's Research and Technology Park, a Canadian hub focused exclusively on clean, green, low-carbon technology research, innovation, commercialization, and entrepreneurship. Cleantech Commons has the vision to become Canada's Premier Cleantech Destination.

Cleantech Commons Brings Together

a truly unique combination of a number of key factors, including available land for development together with bulk servicing, provided through a partnership by Trent University and the City of Peterborough, in a location that is:

In the center of an **EMERGING REGIONAL** cleantech cluster.



Co-located with **WORLD-CLASS** expertise, laboratories and facilities at Trent University.



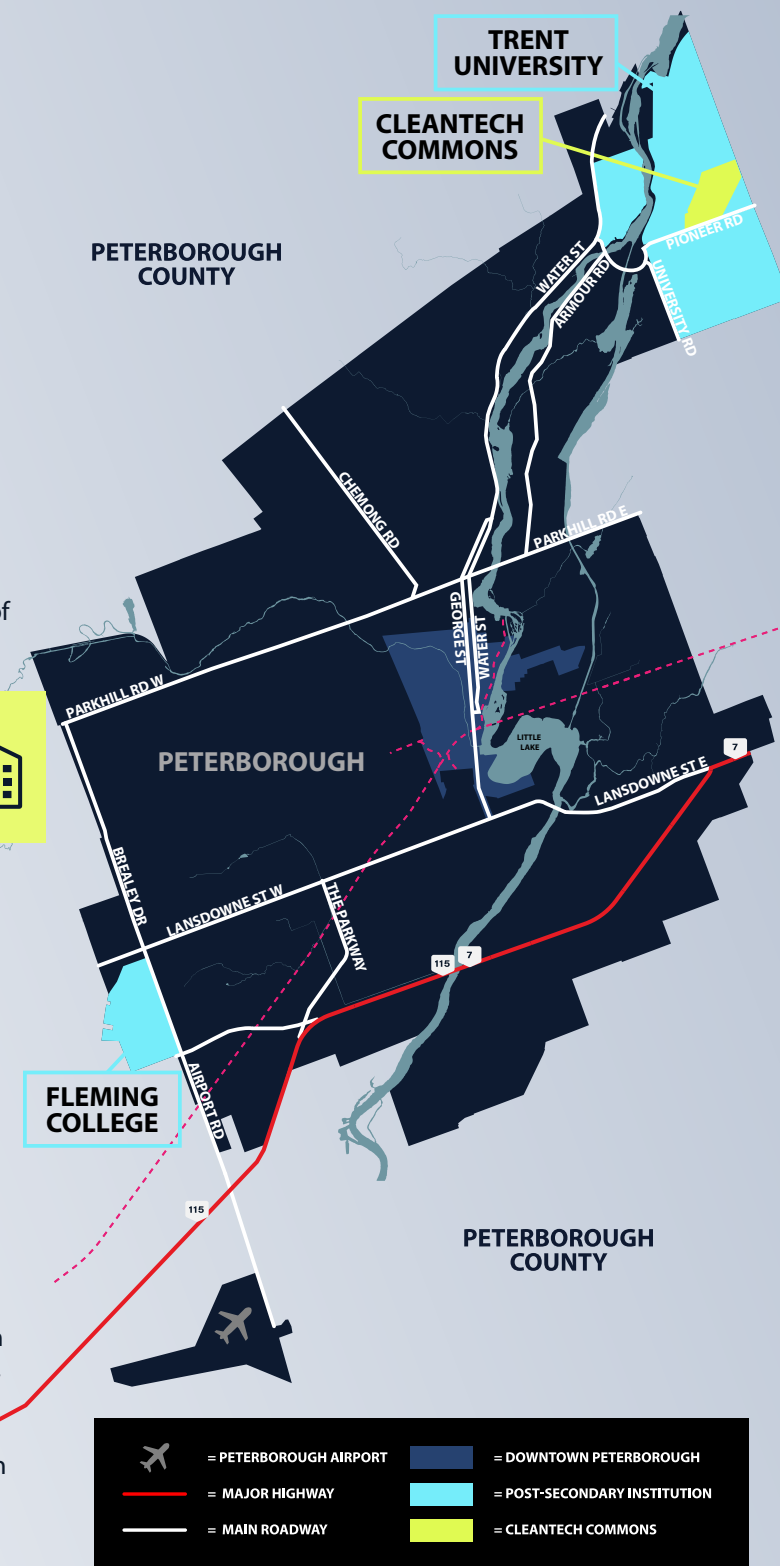
Specializing in the following areas:

- Water technology.
- Clean technology.
- Environmental services.
- Advanced material sciences.
- Biotechnology.
- Medical and health products.
- Agri-food and agri-business.
- Information & communications technologies.

Within walking distance of Trent's "School of the Environment", which brings together all the environmental expertise to be found at the university.

Unique among **Canada's 27 Research Parks** in specializing exclusively on the cleantech sector

Specific facilities and services to support cleantech sector innovation, entrepreneurship and the commercialization of the output of academic research



INVEST

Peterborough
— & —
THE KAWARTHAS

For more info visit
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