

Ontario's Water Innovation Ecosystem

This map highlights some of the Ontario companies and organizations* that are working together to provide world-class solutions for water challenges in global markets.

Engineering & Consulting

PLANNING & DESIGN

144+

- Amec Foster Wheeler
- Associated Engineering Group Ltd.
- B. M. Ross and Associates Limited
- BluMetric Environmental Inc.
- Cole Engineering Group Ltd.
- GHD Inc.
- Golder Associates
- J.L. Richards & Associates Ltd.
- R.J. Burnside & Associates Ltd.
- R.V. Anderson Associates Ltd.

EFFICIENCY

19+

- Arup
- Canoppas Ltd.
- Eramosa Engineering Inc.
- Fabian Papa and Partners Inc.
- HydraTek & Associates
- Napier-Reid
- SGS Canada Inc.
- Sharratt Water Management Ltd.
- Water Matrix Inc.
- Watermark Solutions Ltd.

BOUTIQUE/SPECIALTY

20+

- ALTECH Environmental Consulting Ltd.
- ASI Group Ltd.
- Hamilton Kent
- Gauley Associates Ltd.
- Greenland International Consulting Ltd.
- HydraTek & Associates Inc.
- Napier-Reid
- Walker Environmental
- XCG Consultants Ltd.

LABORATORIES

16+

- A & L Canada Laboratories Inc.
- ALS Ltd.
- GAP EnviroMicrobial Services Ltd.
- Good Harbour Laboratories
- Integrated Explorations Inc.
- Lambton Scientific
- Maxxam Analytics
- Niagara Analytical
- Paracel Laboratories Ltd.
- SGS Canada Inc.

PILOTING, VALIDATION & VERIFICATION

7+

- BLOOM Centre for Sustainability
- Canadian Environmental Technology Verification Program
- Centre for Advancement of Trenchless Technologies
- Centre for Alternative Wastewater Treatment
- Exova Group Ltd.
- Good Harbour Laboratories
- Southern Ontario Water Consortium

TRAINING & PLANT OPERATIONS

7+

- Cole Training and Operations
- Global Training Solutions Inc.
- Ontario Clean Water Agency
- Ontario First Nations Technical Services Corporation
- Regional Public Works Commissioners of Ontario
- Walkerton Clean Water Centre
- World Water Operator Training Company

* More than **100** Ontario-based research groups, institutes, universities, and colleges have a water focus.

Mature Clusters

MEMBRANES

33+

- ALTECH Technology Systems Inc.
- Aslan Technologies Inc.
- COTE Membrane Separation Ltd.
- CUT Membrane Technologies
- Fibracast Inc.
- Filterboxx Water & Environmental Corp.
- Kontek Ecology Systems Inc.
- KmX Membrane Technologies Corp.
- newterra Ltd.
- Purifics Water Inc.

DISINFECTION

25+

- Aclarus Inc.
- ENPAR Technologies Inc.
- Global Hydration Water Treatment Systems Inc.
- H2nanO Inc.
- Ironbrook UV Inc.
- Ozocan Corp.
- Pristine Water Systems
- SanEcoTec Ltd.
- Trojan Technologies
- UV Pure Technologies Inc.

PIPE INSPECTION & REHABILITATION

34+

- 2G Robotics Inc.
- Echologics
- Envirologics Engineering Inc.
- FER-PAL Infrastructure Ltd.
- Hamilton Kent
- Heat-Line Freeze Protection Systems
- Liquiforce
- PICA - Pipeline Inspection and Condition Analysis Corporation
- Pure Technologies Inc.
- Syrinx Ltd.

Growing Clusters

RESOURCE RECOVERY, EFFICIENCY & REUSE

29+

- Anaergia Inc.
- Bio-Organic Catalyst Canada
- Bioem Inc.
- Greenland International Consulting Ltd.
- Greyter Water Systems
- Lystek Inc.
- Noblegen Inc.
- Renix Inc.
- Sancor Industries Ltd.
- Water Matrix Inc.

SMART WATER: SENSORS & MONITORING

34+

- Alert Labs
- A.U.G. Signals
- Deep Trekker Inc.
- Eddy Home Inc.
- Heron Instruments Inc.
- MANTECH Inc.
- Nanolytix Inc.
- ProMinent Fluid Controls Ltd.
- Real Tech Inc.
- TECTA-PDS

SMART WATER: DECISION SUPPORT & ANALYTICS

43+

- Civica Infrastructure Inc.
- EMAGIN
- ENBALA Power Networks
- EnviroSim Associates Ltd.
- Eramosa Engineering Inc.
- Hydromantis Environmental Software Solutions Inc.
- NLS Engineering
- Skywatch
- WatrHub Inc.

Anchor Clusters

DRINKING WATER

107+

- Clearflow Pumps & Water Treatment Ltd.
- Crystallflow Inc.
- Eco-Tec Inc.
- ECONSE Water Purification Systems Inc.
- Ecodyne Ltd.
- EcoVu Analytics Inc.
- ESIL Water Treatment Ltd.
- Industrial Filter Manufacturing Ltd.
- Klenzoid Canada Inc.
- Mar Cor Purification

WASTEWATER

131+

- Bishop Water Technologies
- Clearford Water Systems Inc.
- Forward Water Technologies
- H2Flow Equipment Inc.
- Hannah Environmental Equipment Inc.
- Island Water Technologies
- RainMaker Worldwide Inc.
- Waterloo Biofilter Systems Inc.
- WCI Environmental Solutions Inc.
- Xogen Technologies

STORMWATER

20+

- ACG Technology Ltd.
- Echelon Environmental
- Filtrexx Canada Inc.
- Imbrium Systems Inc.
- Interpump Supply Ltd.
- Minotaur Stormwater Services Ltd.
- RainGrid Inc.
- RH2O North America Inc.
- Storm Pal
- Terrafix Geosynthetics Inc.

Innovation Support

ASSOCIATIONS

18+

- Consulting Engineers of Ontario
- Ontario Coalition for Sustainable Infrastructure
- Ontario Environment Industry Association
- Ontario Good Roads Association
- Ontario Ground Water Association
- Ontario Municipal Water Association
- Ontario Onsite Wastewater Association
- Ontario Water Works Association
- Ontario Water Works Equipment Association
- Water Environment Association of Ontario

NATIONAL ORGANIZATIONS

13+

- Canadian Urban Institute
- Canadian Water and Wastewater Association
- Canadian Water Network
- Canadian Water Resources Association
- FedDev Ontario
- Federation of Canadian Municipalities
- Industrial Research Assistance Program
- National Research Council Canada
- Natural Sciences and Engineering Research Council
- Sustainable Development Technology Canada

ONTARIO ORGANIZATIONS

5+

- BLOOM Centre for Sustainability
- Ontario Centres of Excellence
- Southern Ontario Water Consortium
- Walkerton Clean Water Centre
- WaterTAP Ontario

ACCELERATORS & INCUBATORS

22+

- Accelerator Centre
- Communitech
- Creative Destruction Lab
- Innovation Factory
- Innovation Guelph
- Launch Lab
- MaRS
- Velocity
- ventureLAB
- WaterTAP Ontario

CLEANTECH INVESTORS

7+

- ArcTern Ventures
- Cleantech Capital
- Emerald Technology Ventures
- Global Acceleration Partners
- InvestEco Capital Corp.
- McRock Capital
- XPV Water Partners

* Ontario is home to more than 900 water-related companies.

To see the growing list, visit WaterTAP's online directory at WaterTAPontario.com.

+ Total number of companies or organizations in this category.

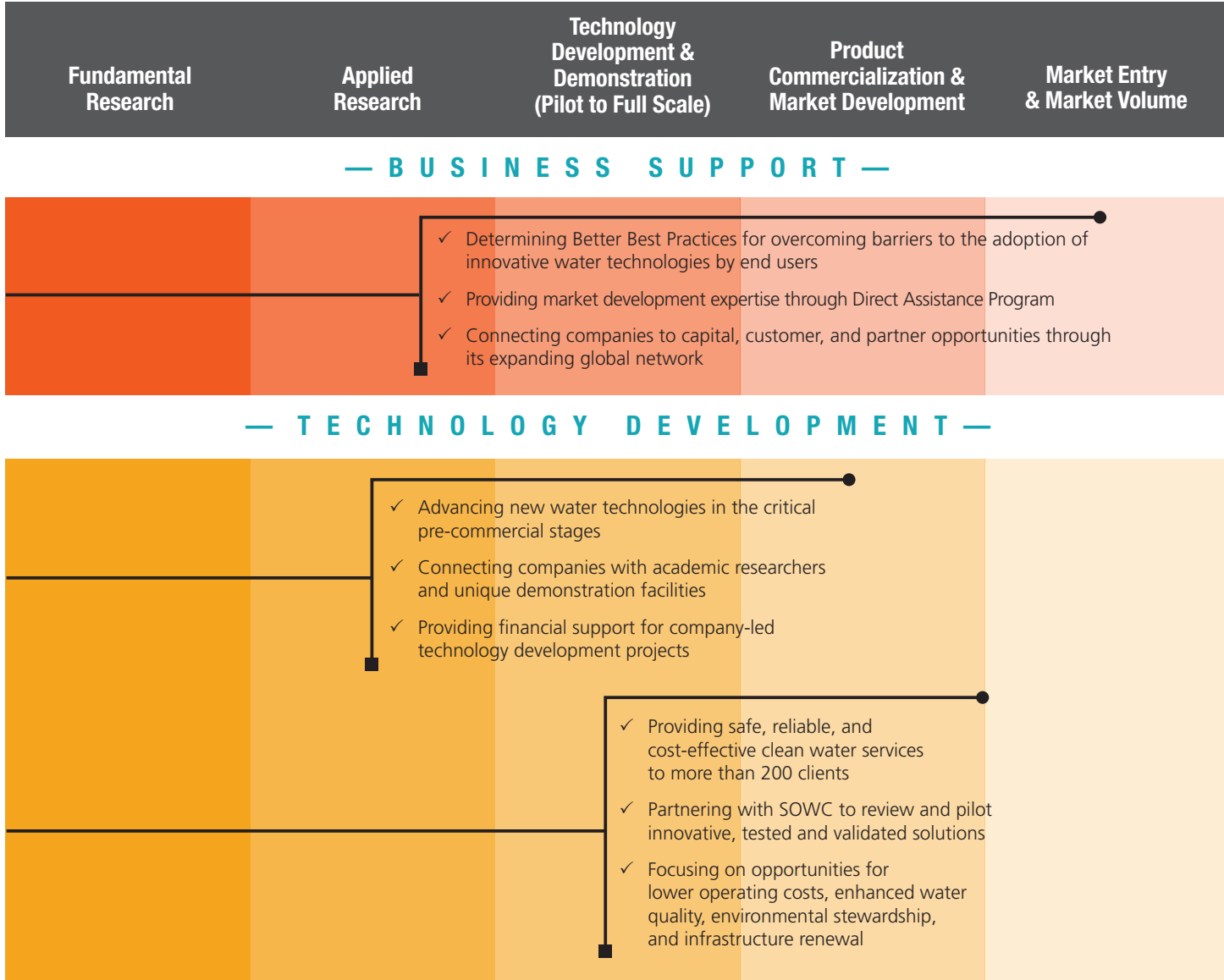


WaterTAP
Technology Acceleration Project

Water technology thrives here.™
Ontario, Canada

How Ontario's Water Innovation Ecosystem Supports Company Growth

From testing and demonstration, to piloting and first customers, to business growth strategy, Ontario has developed an integrated approach to support water technology companies as they navigate the path from idea to market leadership. Here's how three existing organizations – the Water Technology Acceleration Project (WaterTAP), the Southern Ontario Water Consortium (SOWC), and the Ontario Clean Water Agency (OCWA) — are working together to provide a coordinated approach to guide and support both emerging and established water sector companies on their path to success.



Working together to “clear the path”

WaterTAP, SOWC, and OCWA have complementary roles to play in collaborating with companies, end users, government, and other partners to “clear the path” to advance innovative water solutions. By working together, these organizations provide comprehensive support to Ontario’s water innovation ecosystem – helping Ontario’s water sector companies move from idea to market leadership while providing important economic, environmental, and public health benefits to Ontarians and addressing critical global water issues.



Accelerating business growth

As Ontario’s water technology champion, **WaterTAP** works closely with Ontario’s water technology companies to enable them to bring their ideas to reality and to “build better businesses” – to develop effective business plans that prepare them for market entry and investment. These companies also need plans to expand beyond the first customer and achieve market momentum and sustainable revenue. A growing number of companies are benefiting from WaterTAP’s new Direct Assistance program that provides access to world-class market development expertise. In addition to delivering a successful business growth accelerator program, WaterTAP connects companies to capital, customer, and partner opportunities through its expanding global network.

Created under the Water Opportunities Act, WaterTAP also has a mandate to provide advice to government on how best to support the sector’s growth. Through its Better Best Practices Initiative, WaterTAP is undertaking a series of collaborative projects that seek to continuously improve water management and leadership in Ontario by addressing challenges that can represent barriers to the adoption of innovative water technologies by end users. Primarily, these projects focus on creating opportunities for education and awareness, as well as collaborating to develop regulations, approvals, policies, procurement, and funding mechanisms that build toward better best practices and, ultimately, enhance Ontario’s position as a practicing global water leader.

Enabling technology development and demonstration

Advancing new water technologies from bench scale through piloting and demonstration requires unique capacity. **SOWC** provides support for companies through these critical pre-commercial stages. SOWC is a network of 10 post-secondary institutions that helps companies advance innovative water technologies and services. SOWC connects companies with relevant research expertise and provides access to world-class demonstration facilities including pilot- and full-scale wastewater demonstration facilities, instrumented watersheds and a data platform.

SOWC provides financial support for collaborative industry-led technology development projects through its Advancing Water Technologies program, which is funded by FedDev Ontario, and supports companies in gaining access to approvals for innovative technology demonstration. By connecting industry with the expertise, funding, and locations they need, SOWC helps Ontario water technology companies successfully commercialize new products.

Facilitating adoption across a broad spectrum of municipal clients

Operating more than 800 treatment facilities, ranging from small well systems to large state of the art urban treatment facilities, **OCWA** has a thorough understanding of water and wastewater treatment issues in Ontario. This puts OCWA in a unique position to help Ontario municipalities become better clients of innovation. OCWA works with SOWC to support technology development and demonstration projects, to better facilitate the introduction of proven innovative technologies to the Agency’s municipal and First Nations clients.

As a trusted advisor that stewards the partnership between client and company, OCWA can help both parties benefit and can help Ontario leverage its municipal infrastructure in support of innovative technologies and solutions.

OCWA’s clients rely on the agency for professional, trustworthy advice on their systems. OCWA’s experienced operators and process and engineering teams are able to provide clients and companies with advice on the operability of a technology under various conditions – delivering new opportunities for lower operating costs, enhanced water quality, environmental stewardship, infrastructure renewal, reduced energy and chemical consumption, and reducing the “carbon footprint” of water and wastewater operations.