



Pre-Commercialization



Welcome to the **Centre for Alternative Wastewater Treatment (CAWT)**, where water and wastewater science flourishes. The CAWT at Fleming College's School of Environmental and Natural Resource Sciences is an internationally recognized research institute committed to helping Ontario's small and medium-sized organizations with their water and wastewater research and innovation. Have an innovative idea? We'll help make it work and get it closer to market.

THE CAWT ADVANTAGE

The CAWT is a multi-million dollar research institute at Fleming College in Lindsay, Ontario specializing in alternative water and wastewater research and development. Since our doors opened in 2002 we have helped leading edge companies across Canada develop and test their water and wastewater technologies. We provide scientific and technical expertise on technologies and products at various stages of readiness and development. The scope of projects undertaken at the CAWT spans a broad and comprehensive range of innovative water technologies, including advanced oxidation, aquaculture, environmental spill technology, membranes, wetland modeling software, micronutrient stimulants, gasification, and cold-climate technologies. Many of our projects involve repeat clients and project partners.

Your product development is in good hands at the CAWT, as our core research team is composed of highly-skilled scientists, faculty researchers, technologists, and technicians who specialize in alternative wastewater science.

Our laboratory staff participate in Canadian Association for Laboratory Accreditation (CALA) proficiency testing trials and are working towards ISO 17025 certification.

Our indoor greenhouse research facility includes space to house projects and mid-scale pilot studies, as well as an environmental chamber that can simulate precise climate conditions. Our facilities also include an analytical laboratory and a wet chemistry/sample preparation area. Outdoors, we have six research test cells that allow for the treatment and investigation of six wastewater sources, as well as an additional 20 ponds that can be used for lagoon trials. Our on-site wastewater source allows your technology to be tested in appropriate conditions and in an environment similar to real-world use.

The Centre for Alternative Wastewater Treatment's experienced research team, state-of-the-art facilities, and history of partner success make it the ideal location for your water or wastewater technology development.

RESEARCH AND DEVELOPMENT

Whether you need to expand or improve your existing products and services, or develop and demonstrate new ones, our experienced professional researchers and scientists can provide you with a host of research and development services. Contact us to discuss how we can meet your research and development needs.

TESTING AND VERIFICATION

We offer both informal and formal testing and verification services. Our informal testing allows you to test your technology in a confidential facility with scaled and real-world operations. Our research team will problem-solve and help you further develop your technology.

Formal third-party verification can build credibility for your business and provide market advantage. The CAWT is a member of the GLOBE Performance Solutions Consortium, providing testing of water and wastewater technologies for the Canadian Environmental Technology Verification (ETV) Program. We will work with you to get your product or technology ready for formal ETV testing. Once ready, we will help you develop testing protocols for your technology, helping you move smoothly through the verification process.



GET CONNECTED

Sometimes it's who you know. Between our many industry partners, supporters, memberships, and associations, the CAWT is connected to the water and wastewater community. As a partner, you may have an opportunity to benefit from our network through collaboration, support, or other relationships. The CAWT can help you grow your own network and get connected.

COST-EFFECTIVE

Working with the support of the Canadian and Ontario governments, the CAWT has a program in place to potentially assist with off-setting costs to partners and clients. We have successfully procured grants that have allowed some partners to leverage their research funds. There may be options available to reduce expenses and the fees paid to the CAWT.

Project fees vary due to scope and size. Contact us for a free consultation to discuss your specific needs and the potential for reducing expenses.

INTELLECTUAL PROPERTY

Intellectual Property that results from a research and development project will, in most cases, reside with the Industry Partner.

In addition, all staff engaged with your project sign Non-Disclosure Agreements stating that they will not disclose confidential information obtained through the research.

The development of your product or technology deserves quality attention by knowledgeable and experienced water and wastewater technology specialists, carried out in a state-of-the-art research facility. The Centre for Alternative Wastewater Treatment is committed to helping your technology accelerate towards commercialization. Visit our website for more information and contact us to set up a consultation. Let the CAWT help you move forward on the path to commercialization.

PROUDLY SUPPORTED BY:



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Government of Canada / Gouvernement du Canada



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