

WATER AND ENVIRONMENT

With strengths in water treatment, waste management, clean technology and solar energy, London companies are reducing environmental impacts locally and abroad. From [Trojan Technologies](#) and [Purifics](#), leaders in water treatment technologies, to [A&L Canada Laboratories](#), an award-winning soil, plant tissue and water analytical services firm and [Renix](#), the world's only continuous ion exchange system for the liquid separations market, London's environmental technology sector is diverse and strong.

Infrastructure

- London is the only municipality in Canada that draws water from two great lakes. This water supply is certified to meet many elements of HACCP and ISO9001.
- London's [Greenway Wastewater Treatment Plant Demonstration Facility](#) features four test bays with water and waste-activated sludge for companies seeking real-world testing and demonstration of water treatment solutions.
- Incubation space and research support on industry plant and soil health, wastewater, and waste biomass is available at Fanshawe's [Centre for Advanced Research and Innovation in Biotechnology](#) (CARIB).
- The [Collider Centre for Technology Commercialization](#) provides industrial space, business services and access to contract research, material/product characterization, and testing to help businesses accelerate the development and commercialization of their products.

Research and Development

- The [Southern Ontario Water Consortium](#) (SOWC) encourages collaborations between the private sector and academic institutions to turn innovative water management ideas and technologies into marketable solutions that can be applied in real-world environments.
- The [Biotron Institute for Experimental Climate Change Research Centre](#) houses specialized environmental chambers, laboratories, and equipment dedicated to research in the fields of environmental sciences, biotechnologies, materials and biomaterials, and engineering.
- Western University's [Nanofabrication Facility](#) fosters, supports, and sustains advanced research in biotechnology and nanotechnology in a wide range of disciplines including physics, engineering, chemistry, biology, and medicine.
- The [Institute for Chemicals and Fuels from Alternative Resources](#) promotes environmental protection through research on renewable fuels and chemicals, and sustainable technologies.
- The London Environmental Network's [Green Economy London](#) program supports businesses in achieving sustainability goals through technical workshops and one-on-one coaching.
- The [Canadian Centre for Product Validation](#) (CCPV) serves the renewable energy sector with solar panel validation using a one-of-a-kind solar simulator, evaluation of battery and battery charging technologies and creation of simulated load profiles.

CCPV offers support from product concept and viability to commercialization strategies, process review and development.

Talent

- Western's [Green Process Engineering](#) program equips graduates with the principals of green chemistry, biology, physics and math to design commercial products and processes that are safe, economical and environmentally friendly by reducing waste generation
- Fanshawe College's [Environmental Technology](#) Co-op program teaches foundations in bacteriology, analytical chemistry, air pollution, meteorology, water quality management, industry hygiene and hydrogeology.
Western's [Masters of Environment & Sustainability](#) (MES) Co-op program develops general environmental managers with the intellectual and practical skills for the application of environmental sciences and sustainability in scientific, business, industrial and policy sectors.