ABOUT PLASTICS & RUBBER IN SARNIA-LAMBTON

For 75 years Sarnia-Lambton has been the pillar of Canada's plastic and rubber manufacturing industry. The region's cluster of manufacturers not only produce Ontario's largest volumes of raw plastic and rubber materials, but also the high value semi-finished, finished, bio-based, and recycled products essential to our daily lives.

New investments choose Sarnia-Lambton as the best location for their facilities because of the integrated infrastructure, low energy costs, proximity to raw materials, transportation access, proximity to consumers, research and development capabilities, and availability of a highly skilled workforce – for all of which Sarnia-Lambton is at the top of the competition.

PRIMARY MANUFACTURING

Sarnia-Lambton's cluster of chemical manufacturing facilities represents the vast majority of primary plastic and rubber production in Ontario, including Canada's sole Canadian-based manufacturer of synthetic rubber.

With abundant feedstock availability, from multiple sources, in the form of crude oil, natural gas (methane), natural gas liquids, ethylene, and styrene, the Sarnia-Lambton area is Ontario's premier location for the development of new facilities for the production and manufacturing of primary plastic and rubber products.

Primary products produced in Sarnia-Lambton include ethylene, HDPE, LDPE, polyethylene terephthalate, polypropylene, bio-terephthalic acid, formulated polymers & resins, styrene, butyl rubber, and halobutyl rubber.

ARLANXEO · Imperial · NOVA Chemicals® · DOW

RECYCLING & RE-MANUFACTURING

Opportunities exist for companies to utilize recycled plastics as a feedstock in the manufacturing of higher-value plastics products and consumer goods.

Local companies work to recover various types of post-consumer and post-industrial rigid plastics and transform them into valuable commodity resins tailored to specific customer end use applications.

REVital™ POLYMERS

BIO-BASED PLASTIC MANUFACTURING

Bio-based companies can take advantage of Sarnia-Lambton's unique location and infrastructure, which allow for access to renewable materials from various high-volume sources to produce bio-based plastic products.

Lambton County is a leading Ontario producer of soybeans, winter wheat, corn, and sugar beets, as well as related agricultural residues, by-products and wastes.

ORIGIN

FINISHED PRODUCTS & ADVANCED MANUFACTURING

Opportunities to take advantage of industries such as automotive, construction, food, beverage, and agriculture exist for everything from polymer manufacturers, to compounders, additive suppliers, concentrate producers, plastic and rubber machinery manufacturers, and mould makers.

Sarnia-Lambton's large-scale primary plastic and rubber manufacturing provides an abundant supply of raw materials and auxiliary products to downstream plastic and rubber manufacturing facilities specializing in the production of components, semi-finished products, finished products, and the advanced manufacturing of consumer goods.

LOCATION & TRANSPORTATION

Located on the Canada/USA border in the heart of the Great Lakes Basin, Sarnia-Lambton provides access to major transportation corridors to ensure a smooth flow of inputs and end-products through your facilities value-chain.

Rail

Mainline Class I railroad service from Canadian National (CN) and CSX Transportation. The St. Clair Tunnel allows movement of goods to the US Midwest, US Gulf Coast, or eastern US ports.

Road

Linked to the Ontario 400-series highway system via Highway 402, and with access to the U.S. Interstates I-69 and I-94 by the twin-span Blue Water Bridge border crossing, Sarnia-Lambton is located within a one-day drive to 65% of the US market, and major Ontario and Quebec markets.

Water

Located on the St. Clair River, ships can access the Atlantic Ocean via the St. Lawrence Seaway System, with access to several 700+ foot loading docks.

Air

Three international airports are within 130 km (80 miles) of Sarnia-Lambton. Detroit Metropolitan Wayne County Airport, London International Airport, and Flint Bishop International Airport all provide air freight and logistics services. Sarnia's Chris Hadfield Airport provides connections to Toronto Pearson International Airport, itself only 225 km from Sarnia-Lambton.

CONTACT US

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EDUCATION & TRAINING

Lambton College works cooperatively with plastic and rubber companies to create a region of innovators and meet industry demand for skilled employees. The college provides technology and trades programs, including co-op, providing students with combined theory and application skills in current and emerging technologies.

Sarnia-Lambton Industrial Education Co-operative offers training through relevant construction, operation, maintenance and safety programs.

Lambton College

SARNIA - LAMBTON INDUSTRIAL EDUCATIONAL CO-OPERATIVE www.sarniasafety.com

WORKFORCE

Sarnia-Lambton has a labour force of 64,500, with over 21,700 people employed in manufacturing and service industries and businesses. The total labour force within a 100km radius is almost 550,000.

- Dependable and abundant supply of skilled labour. The region's talent pool is exceptionally strong in the areas of science, engineering, process operations, instrumentation, metal fabrication & managerial ability.
- Sarnia-Lambton's workforce experiences low employee turnover and absenteeism rates, a strong work ethic, and consistently high productivity.

INNOVATION, RESEARCH & DEVELOPMENT

Lambton College Research and Innovation is a global leader for collaborative applied research, development, innovation, education, entrepreneurship and commercialization.

Participating in project collaborations with regional, provincial & national enterprises across the plastic and rubber industry.

A strong network of research partners provides access to high quality labs, facilities and researchers that works to connect industry with resources, expertise and funding opportunities.

Ranked as one of Canada's TOP 3 RESEARCH COLLEGES for three consecutive years

RESEARCH & INNOVATION Lambton College

Lambton WATER CENTRE

LAMBTON MANUFACTURING INNOVATION CENTRE Lambton College

LAMBTON ENERGY RESEARCH CENTRE

BIO-INDUSTRIAL PROCESS RESEARCH CENTRE Lambton College

INFORMATION TECHNOLOGY & COMMUNICATION RESEARCH CENTRE Lambton College

CENTRE FOR INDUSTRIAL MATERIAL DEVELOPMENT

The **Western Sarnia-Lambton Research Park** consists of five buildings totaling 288,000 sq.ft. on an 80-acre campus, and serves as a key contributor to the movement of an idea or a discovery from the lab bench to the marketplace.

The Research Park's Commercialization Centre provides companies access to over 50,000 sq.ft. of office, laboratory, and pilot plant infrastructure for research, commercialization, and entrepreneurship.

2016 – Outstanding Research Park Award

Western Sarnia-Lambton Research Park

INDUSTRIAL INFRASTRUCTURE & UTILITIES

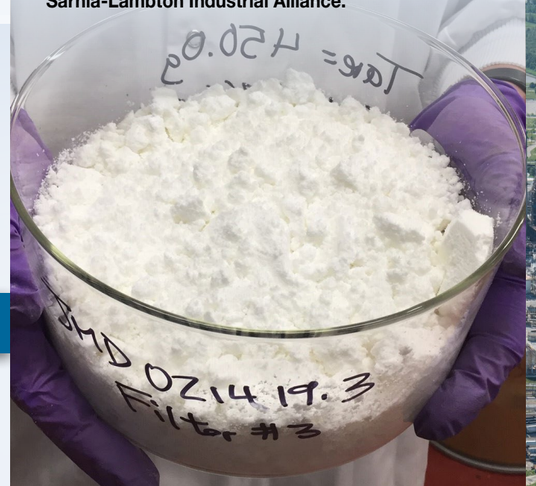
Sarnia-Lambton has the infrastructure, utilities and industrial base to support all forms of industrial activity, including the capital-intensive manufacturing of plastic and rubber manufacturing technologies.

- 2,800 MW of natural gas, solar, & wind generated power.
- Savings of 35-40% of electricity cost through access to "behind-the-fence" energy pricing.
- Over 1,500 kilometres of local pipeline supplies the gas and liquid utilities, and hydrocarbon raw materials required for plastic and rubber production.
- The St. Clair River provides billions of litres per day of cooling and process water supply, and wastewater capacity exists.

The utilization of existing and shared infrastructure can result in a capital cost savings of up to twenty percent.

INDUSTRIAL SUPPORT

Industrial support services infrastructure to support the plastic and rubber industry from site selection to operation. This is accommodated by the 1,200 industrial related companies in the sectors of manufacturing, construction, utilities and communications, industrial services, warehousing and transportation, and highlighted by the **Sarnia-Lambton Industrial Alliance.**



SITE OPPORTUNITIES

Greenfield and brownfield site options exist throughout Sarnia-Lambton including municipally and privately-owned industrial parks.

Heavy Industrial

The **Bluewater Energy Park** and **Bio-Industrial Park Sarnia** are fully serviced industrial parks ideal for utility intensive value-added agriculture manufacturing, with direct connections to extensive shared infrastructure, industrial utilities, and rail, road, and marine services.

- **"Behind-the-fence" energy pricing with potential savings of 35-40% on energy costs.**
- **Potential to save up to 20% on capital costs through shared infrastructure.**

Light Industrial

Fully serviced industrial land – with water, sanitary sewers, electrical and natural gas services – is available at competitive rates.

BUSINESS & INDUSTRIAL PARKS

	POWER	NATURAL GAS	WATER	SEWER	RAIL	ROAD
Sarnia 402 Business Park	✓	✓	✓	✓		1K to 402
Sarnia Business & Research Park	✓	✓	✓	✓		2K to 402
Chippewas of Sarnia Industrial Park	✓	✓	✓	✓	✓	10K to 402
Forest Industrial Park	✓	✓	✓	✓		15K to 402
St. Clair Industrial Park	✓	✓	✓	✓	✓	19K to 402
Warwick Industrial Park	✓	✓	✓	✓		3K to 402

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