

ABOUT ADVANCED MANUFACTURING IN SARNIA-LAMBTON

Advanced manufacturing is one of Sarnia-Lambton’s most important economic sectors. With roots in the oil, gas, and refining industries, a growing cluster of innovative and high-tech manufacturing industries have flourished in the area. Backed by a highly skilled and knowledgeable workforce and extensive infrastructure, the industry is a vibrant and competitive contributor to the Ontario and Canadian economy.

Companies in Sarnia-Lambton are leaders in investment in research and converting new technologies into processes and products that meet and exceed global needs. A diverse range of innovative industry leading products are produced locally, including chemicals, industrial equipment, automotive and transportation parts, military and police supplies, air filters, and custom metal products.



- **Advanced manufacturing in Sarnia-Lambton produces \$16.1 Billion in exports annually.**
- **Oversized Load Corridor will provide unimpeded import/export of oversized product vessels, reactors, and modules.**
- **Global market access through USMCA, CETA, CKFTA, and CPTPP free trade agreements.**



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.

The region’s talent pool provides a dependable and abundant supply of skilled labour and is exceptionally strong in the areas of science, engineering, process operations, instrumentation, metal fabrication, machining, and managerial ability.

EMPLOYMENT BY INDUSTRY

Manufacturing	7,500
Construction	5,100
Professional, Scientific, and Technical	2,200
Transportation and Warehousing	1,900

EDUCATION & TRAINING



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



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Sarnia-Lambton Industrial Education Co-Operative facilitates training through relevant construction, operation, maintenance, & safety programs.

INNOVATION, RESEARCH, & DEVELOPMENT

Lambton College Research and Innovation is a global leader for collaborative applied research, development, innovation, education, entrepreneurship, and commercialization and participates in project collaborations with regional, provincial, and national enterprises across the advanced manufacturing 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

TOP 3 RESEARCH COLLEGE IN CANADA for three consecutive years



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.

Outstanding Research Park Award – 2016



LOCATION & TRANSPORTATION

Located on the Canada/USA border in the heart of the Great Lakes Basin, Sarnia-Lambton provides access to major transportation corridors that ensure a smooth flow of products to local, national, and international markets.

Rail

Mainline Class I railroad service from Canadian National (CN) and CSX Transportation. The St. Clair Rail Tunnel allows movement of manufactured goods to the US Midwest, Gulf Coast, and 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, London, and Flint. 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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NEXT GENERATION MANUFACTURING

Sarnia-Lambton’s advanced manufacturing sector includes a diversified cluster of next generation manufacturing companies focused on the development and implementation of emerging, innovative techniques that are destined for world markets. Manufacturers in Sarnia-Lambton are pushing the boundaries of creativity, flexibility, and agility to produce new innovations in areas such as:

- Manufacturing on demand
- 3D printing and additive manufacturing
- Rapid production or custom production of low volume products
- Automation and robotics
- Software embedded technologies
- Connected and sensor enabled machines



AUTOMOTIVE MANUFACTURING

Sarnia-Lambton’s location in the centre of the Great Lakes Industrial Corridor provides immediate access to key North American automotive markets, providing broad opportunities for automotive parts manufacturers. The Detroit auto manufacturing cluster is just over an hour drive from Sarnia-Lambton, and assembly plants in both Canada and the United States are in close proximity.

6.5 million vehicles produced each year within four hours of Sarnia-Lambton

- Ontario – 2.0 million vehicles
- Michigan – 2.0 million vehicles
- Ohio – 1.2 million vehicles
- Indiana – 1.3 million vehicles

METAL FABRICATION & MACHINING

Sarnia-Lambton’s metal fabrication and machining industry provides a wide variety of services and products to a diverse number of sectors, including petrochemical and biochemical, power generation, automotive, construction, agriculture, and many others. Local facilities include operations of all sizes from small specialty shops to some of the largest and best equipped operations in Ontario, all capable of competitively servicing geographic market areas across Canada, the United States, and overseas.

The strengths of Sarnia-Lambton’s metal fabricators and machine shops include their diversity and flexibility, design, and engineering capabilities, skilled workforce, and quality products that meet and exceed customer expectations.



INDUSTRIAL SERVICES FOR MANUFACTURING

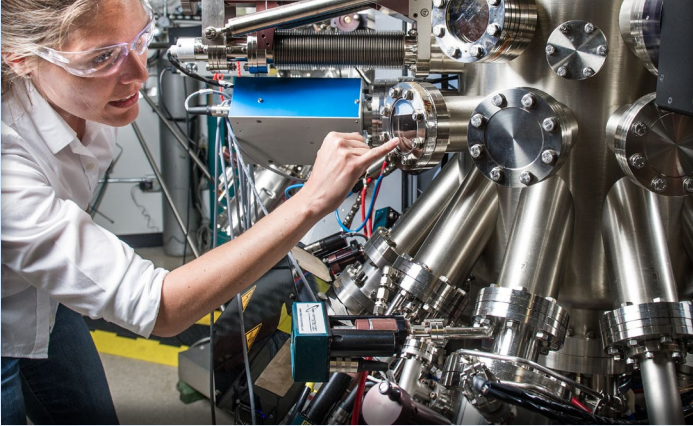
Highlighted by engineering, technology, and environmental services companies, Sarnia-Lambton’s industrial services sector helps support the “Cradle-to-Cradle” manufacturing concept.

Engineering

A dynamic cluster of engineering companies, from local engineering firms providing specialized expertise to international firms supplying services to customers worldwide.

Environmental Services

Environmental companies provide solutions to environmental challenges across a diverse range of advanced manufacturing sectors from land to water to air.



INDUSTRIAL INFRASTRUCTURE & UTILITIES

Sarnia-Lambton has the infrastructure, utilities, and industrial base to support all forms of advanced manufacturing, including utilities-intensive processes.

- 2,800MW of natural gas, solar, & wind generated power.
- Savings of 35-40% of electricity cost through access to “behind-the-fence” energy pricing.
- Access to low cost natural gas.
- The St. Clair River provides billions of litres per day of cooling and process water supply and wastewater capacity exists.
- Connectivity to high-speed fibre internet.

The utilization of existing and shared infrastructure can result in a capital cost savings of up to 20%.

INDUSTRIAL SUPPORT

Industrial support services infrastructure to support the advanced manufacturing 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.



The **Sarnia-Lambton Industrial Alliance (SLIA)** is a coalition of over 35 Sarnia-Lambton companies who employ more than 2,600 people who specialize in all aspects of metal fabrication, engineering, environmental, and support services geared to manufacturing industries.

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 manufacturing facilities with large utility demands 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.

INFRASTRUCTURE AVAILABLE						
	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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