



Advanced Manufacturing

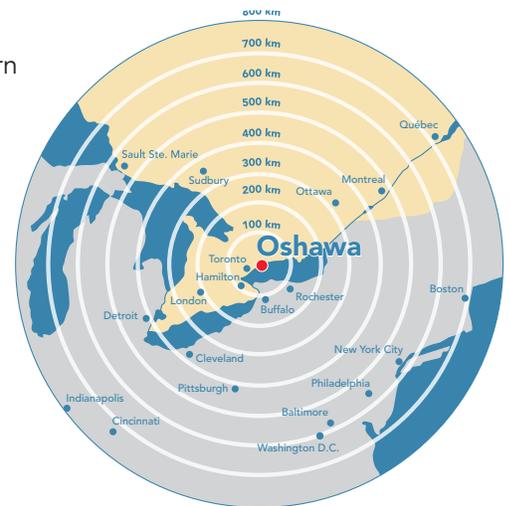
Advanced Manufacturing is one of five key sectors in Oshawa with a diverse range of companies having a strong global presence. Best recognized for automotive excellence, Oshawa companies also include food processors, aerospace and defense industries, robotics and large metal fabricators. Oshawa offers direct

access to the world's marketplace, a consistent **talent** pipeline of college and university graduates and the **value** of competitive business costs.

Access

Oshawa is the largest municipality within the Region of Durham and the eastern gateway to the Greater Toronto Area. Oshawa businesses enjoy direct access to Canada's largest market through a connected and integrated transportation system, offering all modes of transportation. Oshawa's roads, rail, seaway, air and commuter services ensure passengers and freight have convenient access to North American and global markets.

-  1 Deep Water Port (Port of Oshawa)
-  2 Freight Rail Lines (CN and CP)
-  2 Major Highways (Highway 401 – with Highway 407 to be completed Spring 2016)
-  1 Executive Airport (Oshawa Executive Airport)
-  3 Commuter Rail and Transit systems (VIA Rail, GO Transit, Durham Regional Transit)
-  2 International Airports within a 60 minute drive



Durham Region Educational Attainment



Total Population
Aged 25-64
349,954



College or equivalent
95,549



University
79,925



Bachelors Degree
44,415



Above Bachelors
Degree
20,833

24,915

Labour Force in
Durham Region
working in Advanced
Manufacturing Sector



IMIN

Online portal helping Durham Region manufacturers become more innovative by improving connections between people, information and expertise.

www.iminonline.ca

Talent

Thriving business relies on skilled talent and Oshawa's talent measures up. Oshawa welcomes thousands of bright minded students each year to three top ranking post-secondary institutions, not to mention being located in the academic powerhouse of the Greater Toronto Area with an additional seven institutions within a 60 minute commute.

Advanced Manufacturing Workforce Stats [Oshawa 2014]

Description	# of Jobs
Professional, Scientific and Technical Services	3,810
Transportation Equipment Manufacturing	3,270
Repair and Maintenance	1,050
Printing and Related Support Activities	615
Fabricating Metal Product Manufacturing	540
Plastics and Rubber Products Manufacturing	495
Chemical Manufacturing	455
Machinery Manufacturing	360
Rental and Leasing Services	335
Computer and Electronic Product Manufacturing	325
Primary Metal Manufacturing	315
Miscellaneous Manufacturing	300
Electrical Equipment, Appliance and Component Manufacturing	215
Total	12,085

Source: Statistics Canada provided by the Durham Workforce Authority

Local Post-Secondary Programs Supporting Advanced Manufacturing Sector

University of Ontario Institute of Technology (UOIT)

- Applied and Industrial Mathematics (B.Sc.)
- Automotive Engineering (B.Eng., M.ASc, M.Eng., PhD)
- Electrical Engineering (B.Eng.)
- Electrical and Computer Engineering (M.ASc, M.Eng., PhD)
- Manufacturing Engineering (B.Eng.)
- Mechanical Engineering (B.Eng., M.ASc, M.Eng., PhD)
- Mechatronic Engineering (B.Eng.)
- Software Engineering (B.Eng.)

Durham College

- Chemical Engineering Technology
- Electro-Mechanical Engineering Technology
- Electrical Engineering Technician
- Electrical Engineering Technology
- Electrical Techniques
- Mechanical Engineering Technician
- Mechanical Engineering Technology
- Mechanical Technician – Millwright

Talent Recruitment

Resources are available to assist companies accessing skilled professionals – from candidate pre-screening, job fairs, links to specialized training and training cost incentives. www.ditp.ca

Oshawa Companies	Durham Region Companies
BRIC Engineering*	Aerotek
Cimetrix Solutions	Active Automation
Cleeve Technology*	Canada Rubber
EHC Global*	Gerdau
Fresh Del Monte Produce	Johnson Controls
General Motors of Canada*	Messier Dowty
Kerr Industries*	Noranco
NuFlow Technologies*	Patheon
PR Engineering	Siemens
RR Donnelley	Volkswagen

*Denotes Corporate Head Office

Value

Oshawa companies enjoy the benefits associated with doing business in Ontario, Canada. Canada offers a lower cost environment for Advanced Manufacturing companies than the USA, Germany, Italy, Australia or Japan, according to KPMG's Competitive Alternatives 2014. Canada has been globally recognized for its stable and sound banking system.

Locally, Oshawa offers development incentives, a fast tracked development process, no City industrial development charges, a robust commercial and industrial serviced land inventory, transportation efficiencies and one of the lowest business costs in the Greater Toronto Area. In 2015, Oshawa was featured by MoneySense Magazine as a "Where to Buy Now" community.

Incentives for Growth

- Export Guarantee Program (EGP)
- Export Market Access - A Global Expansion Program
- Going Global Innovation
- Investment Accelerator Fund
- Market Xpansion Loan
- New Exporters to Border States Program (NEBS)
- SMART Prosperity Now Program

Testing Facilities

The Automotive Centre of Excellence (ACE) is a one-of-a-kind testing and research centre. ACE has a full range of test chambers including a five-storey high climatic wind tunnel capable of creating wind speeds in excess of 240km/hr (150 miles/hr), temperatures from -40 to 60 degrees Celsius (104 to 140 degrees Fahrenheit), and relative humidity ranging from 5 to 95%.

Owned by the University of Ontario Institute of Technology (UOIT), this test facility is commercially available to customers who are seeking to bring their ideas into a proof of concept and ready for market, including manufacturers of all descriptions, start-up companies and researchers in Canada and from around the world.



Business Testimonial EHC

EHC Global is located in Oshawa and features the EHC Global Head Office, manufacturing operations and research centre. EHC Global has manufacturing operations in North America, Europe and China, in addition to more than 20 distribution locations around the world. Oshawa's location in the Greater Toronto Area, not only provides a connected transportation system that allows EHC to ship product globally, but also draws from the largest, yet commutable talent pool in Canada. EHC has collaborated successfully with the local post-secondary institutions for job placements, experiential learning opportunities and research projects. As a suburban city to Toronto, Oshawa offers the best of both worlds – the amenities of a growing urban centre, yet remains an affordable and friendly community to operate a business.

Jeno Eppel

President, EHC Global

EHC Global offers superior products in the lift industry.

www.ehc-global.com



The University of Ontario Institute of Technology has announced plans for a new \$100 million **Centre for Advanced Research, Innovation and Entrepreneurship (CARIE)**. CARIE will act as a catalyst for a new cluster of advanced manufacturing research and development in strategic industries such as nuclear, electrical and alternative energy systems, automotive and transportation, new materials and robotics.



Real Estate

Oshawa recognized by Canadian Real Estate Magazine as a real estate hot spot in Canada. Oshawa's industrial land prices, industrial lease rates and office rents are lower than most parts of the Greater Toronto Area.



Connect With Us...

Oshawa's Economic Development Office provides information and services to help business grow and prosper. From real estate professionals and site selectors to business owners both large and small, our team can help facilitate your project and expedite the site selection process.

Whether you are just starting out, expanding, consolidating or relocating your company, you can rely on our team of professionals to help make your decisions easier, faster and more effective. We have the connections to help you with:

- site location assistance
- information and statistics
- streamlining the development approvals process
- business problem-solving
- business and community contacts
- industry and business networks
- access to community improvement incentives

We know that each client is unique and we tailor our services to meet your specific business needs.

Economic Development Services

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Oshawa's 5 Key Sectors

