

TORONTO GLOBAL

# ADVANCED MANUFACTURING



Ontario is home to the newly announced **Advanced Manufacturing Supercluster**, building up next-generation manufacturing capabilities, incorporating technologies like advanced robotics and 3D printing.

**GDP Impact: \$13.5 billion+**  
**Jobs: 13,500+**

## 410K

The Toronto Region is recognized as a leading research location in the manufacturing sector, with a highly diverse labour force of almost 300,000.

**GM, FORD  
+ FIAT  
CHRYSLER**

Three major auto manufacturers – General Motors, Ford and Fiat Chrysler Canada Inc. – collectively operate six assembly plants and chose the Toronto Region for their Canadian headquarters.

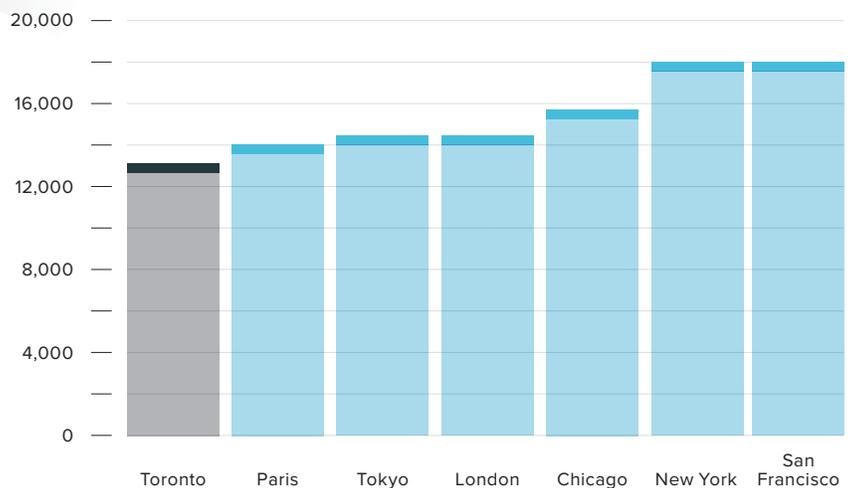
## INCENTIVES

- **Tariff-free zone:** Canada offers foreign investors a tariff-free zone for manufacturing, having eliminated tariffs on machinery, equipment and industrial inputs in 2015.
- **Ontario Innovation Tax Credit:** 8% refundable tax credit for qualified expenditures on scientific research and experimental development performed in Ontario.
- **Ontario Research and Development Tax Credit:** Qualifying corporations can claim a 3.5% non-refundable tax credit on eligible scientific research and experimental development expenditures performed in Ontario to reduce their Ontario corporate income tax payable.

## Manufacturing Costs

KPMG Competitive Alternatives 2016

USD \$'000



GENERAL MOTORS → OSHAWA, ONTARIO



“General Motors selected the Toronto Region to be a key software engineering hub for the future because of its wealth of talent and focus on innovation. The region is a leader in science, technology, engineering and mathematics graduates, artificial intelligence and mobile security, and it has shown its commitment to taking a regulatory approach that fosters innovation.”

Stephen Carlisle, President and Managing Director, GM of Canada (2016)

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## University of Ontario Institute of Technology

### Automotive Centre of Excellence (ACE)

ACE offers a full range of test chambers, including one of the largest and most sophisticated climatic wind tunnels on the planet.

In this chamber, they can create:

- Wind speeds in excess of 150 miles/hour
- Temperatures ranging from -40 to 60 degrees Celsius
- Relative humidity ranging from 5 to 95 per cent

## TALENT

The Toronto Region's biggest asset is its people:

**51%** of the population of the City of Toronto is foreign-born

Most educated talent pool among countries of the Organization for Economic Co-operation and Development (OECD)



### AEROSPACE CLUSTER → MISSISSAUGA, ONTARIO

**The Province of Ontario** is home to Canada's second largest aerospace cluster, with 21,000 employees working in over 300 companies. In the Toronto Region alone, there are over 15,000 people working in nearly 150 establishments.

Within the region, Mississauga's aerospace cluster is thriving. The dynamics of the city's extraordinary environment, business community and exceptional talent has spurred growth and innovation in this sector, allowing for the sharing of resources and ongoing opportunities for convergence and synergies for further innovation.

"Mississauga will continue to account for approximately 35% of our R&D initiatives in Canada and we are equally proud of the numerous collaborative programs we have in place with universities and technical colleges to ensure a steady injection of talent and technology."

Edward Hoskin, Vice President, Engine Development Programs, Pratt & Whitney Canada (2016)

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