

Connect with our Communications Technologies Sector

Ottawa has been home to some of some of Canada's most renowned researchers and innovators, producing some of the most storied companies in telecommunications that, in turn, have shaped the communications industry around the globe. With decades of experience developing high impact networks, optics and photonics technologies, Ottawa is recognized worldwide as an established centre of excellence in communications technologies. Ottawa-based companies represent the entire value chain for networking, photonics and optics - from devices and components, sub-systems and full-system solutions to sales, maintenance and support - and are responsible for 90% of Canada's industrial telecom research.

Ottawa Canada's Capital

Ottawa is a global hub for fundamental and applied research, ground-breaking innovations, and disruptive products and services that are in demand across the globe. As the seat of the Federal government, Ottawa is home to federal departments and agencies, more than 65 research labs and over 130 embassies and consulates. With a deep history of innovation that spans over 100 years, today's present day technology ecosystem is driving research in emerging fields such as autonomous vehicles, artificial intelligence, cybersecurity and precision agriculture. This dynamic and urban city is surrounding by an abundance of natural beauty that offers an affordable and unparalleled quality of life.

1,440,000

National Capital
Region Population

785,900

National Capital
Region Total
Workforce

76,200

National Capital
Region Tech
Workforce

99%

Canadian
Households with
Access to LTE
networks

\$27.5 B

National Sector
Contribution to
Canada's GDP

**Ottawa's
Communications
Technology
Ecosystem includes:**

ERICSSON 

JUNIPER
NETWORKS

ciena

NOKIA

 **Infinera**


CISCO



The city's photonics expertise is being harnessed by companies to use imaging and machine vision for a wide range of solutions including food inspection, quality control, custom digital cameras, video networking, traffic monitoring and 3D imaging



Amongst the more than 65 research labs located in Ottawa are the following facilities that support the communications technology sector: Communications Research Centre; National Research Council's Advanced Electronics and Photonics Research and Nanotechnology Research Centres; and the Canadian Photonics Fabrication Centre



World-class educational programs and research centres include: University of Ottawa's Centre for Research in Photonics and the Max PlankuOttawa Centre for Extreme and Quantum Photonics; and Carleton University's Bachelor of Information Technology (in conjunction with Algonquin College)



Sector ecosystem is supported by: The Centre of Excellence in Next-Generation Networks (CENGX)



Home to Area X.O, the first integrated V2X test facility of its kind in North America



Over the years, Syntronic has opened several offices throughout Europe, as well as offices in other regions such as China, Malaysia and Indonesia. Syntronic has now entered the North American market in Ottawa as it was the perfect place to make our debut. Ottawa is home to a high concentration of high-tech, defence, med-tech and industrial companies as well as the sought-after local talent.

- HANS MOLIN

President, Syntronic Canada

R&D and Innovation Ecosystem

POST-SECONDARY INSTITUTIONS



INDUSTRY



CENTRES OF EXCELLENCE



RESEARCH INSTITUTIONS



BUSINESS SUPPORT



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