



OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

Tech Is Coded Into Our DNA

Ottawa is no stranger to software, with a history spanning several decades and 500+ businesses. You'll find Ottawa-developed code in everything from luxury SUVs to supply chain systems to cable top boxes.

Software as a Service (SaaS), data analytics and artificial intelligence-based solutions are under development in companies across the city, powering innovative applications spanning smart health, govtech, e-commerce, fintech and clean and connected communities.

Regulatory-FinTech technology is a fast-growing subsector here in the capital, driven by innovators like Assent Compliance (regulatory compliance platform), FreeBalance (public financial management and compliance), MindBridge Ai (real-time audit and transaction tracking), and Veem (multi-rail global payments).

Ottawa is an emerging Media and Entertainment tech hub with industry leaders like Warner Brothers Discovery (for enhanced Max streaming), Ross Video (live broadcast & spectator experiences), Espial by Enghouse (IPTV/HTML5), MASV (large media file transfer), animation design from Emmy award-winning studio Mercury Filmworks, and Keywords Studio's renowned video game development at Snowed In Studios.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

“

Ericsson sees Ottawa as having a vibrant technology ecosystem with access to: a large pool of talented professionals, excellent local universities for talent and applied research and presence of world class suppliers of technologies and R&D services. This ecosystem is conducive to fostering the innovation required for building a successful R&D environment.

– **MARCOS CAVALETTI**

Sr. Advisor & Head of Ottawa Site,
Ericsson Canada Inc.

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Shopify, a homegrown multinational leader and one of Canada's most valued public tech companies, is empowering more than 1 million businesses in 175 countries around the world.

The NRC's Data Analytics Centre has a team of 35+ machine learning experts working on algorithms to address the data analytics needs of industrial and scientific clients.

The top five global enterprise software vendors, including Dell EMC, IBM, Microsoft, Oracle and SAP, all have a considerable presence in Ottawa.

Twelve of the 16 Ottawa companies from Canada's Fastest Growing Companies are in the IT or Software industries.

IBM Watson is a supercomputer used across industries and around the world to develop interactive and analytical technologies. Key components of IBM Watson's 'brain' were developed in Ottawa.

The sector ecosystem is supported by L-Spark, Canada's only SaaS-based accelerator.

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



Infrastructure, COLO & CSPS



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

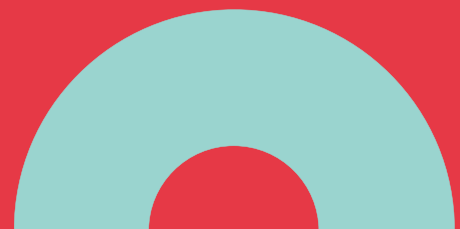
Propelling AI Innovation, Augmenting the Future

When it comes to applied artificial intelligence, few markets rival Ottawa. There is a wealth of great fundamental AI research underway across Canada. When it comes to applied AI, Ottawa's ecosystem is truly world-class.

Ottawa's AI ecosystem is anchored by a well-developed, mature AI industry that underpins innovation across all sectors of our economy.

From IBM's Watson analytics platform, which was further developed by the Cognos engineering team, to innovation in smart cities, cybersecurity, digital health and smart government, Ottawa's AI footprint has grown substantially over the past two decades. Canada's Capital boasts cutting-edge, industry-ready solutions in energy grid optimization, public opinion tracking, smart health and mobility solutions, on-device authentication, and supply chain management.

Ottawa's billion-dollar advanced communications and 5G sector is also leveraging AI to create new solutions and bolster the performance of existing products and services.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Ottawa is home to global AI leaders such as
BlackBerry QNX, IBM, MindBridge Ai and Shopify.

IBM officially introduced a Machine Learning Hub to
Ottawa in Spring 2020 — one of five in the world —
to support startups and scaling companies.

The NRC's Data Analytics Centre brings together
experts in artificial intelligence (AI), data science
and machine learning, state-of-the-art algorithms,
and powerful computing clusters to analyze big
data from science and industry.

Carleton University's VSIM Cognitive Science Team
includes seven researchers who are also associated
with the Centre for Applied Cognitive Research
(CACR). These researchers conduct basic and
applied research on human cognition on topics
such as attention and performance, language, and
memory.

Based in Ottawa, MindBridge Ai develops AI-
powered auditing and financial analysis tools,
leveraging machine learning to detect anomalies
and improve financial transparency.

“

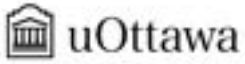
Ottawa is a great city for talent. For example,
you've got companies like Ford that have moved
to Ottawa. So, we are seeing a snowball effect.
More and more companies are coming to
Ottawa, and there are very good reasons for
that. It's a global tech hub.

– **GRANT COURVILLE**

Vice President, Products and Strategy,
Blackberry QNX

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



National Networks



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

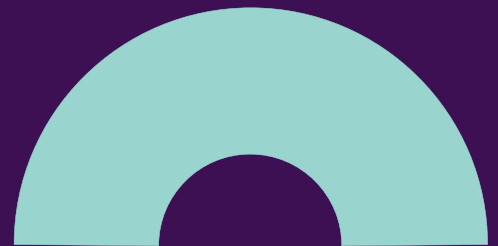
Join us in Ottawa. We're not just imagining our future — we're building it.

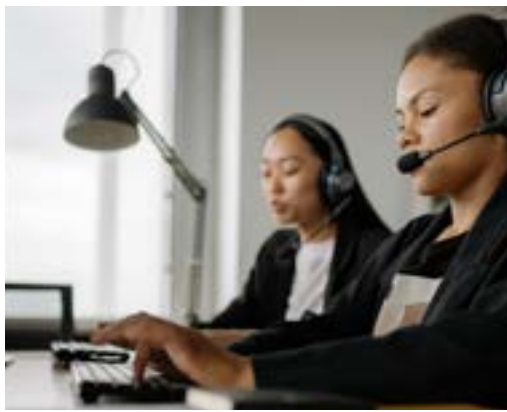
Canada's Leading Communications Technology Sector

As a long-standing, internationally recognized centre of excellence in communications technology, Ottawa continues to shape the wireless industry worldwide. Anchored by top optical networking firms, including Nokia, Ciena, Cisco, Fujitsu and Infinera, Ottawa is the place to be for world-class R&D that pushes the boundaries in the future of communications.

Home to the top five mobile backhaul equipment market vendors, the top 10 optical network hardware vendors and 90 percent of industry-led telecommunications research, Ottawa is a global leader developing the future of communication networks.

With more than 50 companies that employ more than 21,000 highly skilled people, the region is home to world-class multinational firms including Amdocs, BlackBerry, Ciena, Cisco, Ericsson, Juniper Networks, Fujitsu, Mitel, Motorola, Nokia, Ribbon Communications, Sanmina and Telesat, which invest in R&D, grow the talent pool and attract investment. Accelerating the growth of this cluster in Ottawa are a plethora of R&D facilities.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

“

Ericsson sees Ottawa as having a vibrant technology ecosystem with access to: a large pool of talented professionals, excellent local universities for talent and applied research and the presence of world-class suppliers of technologies and R&D services. This ecosystem is conducive to fostering the innovation required for building a successful R&D environment.

– **MARCOS CAVALETTI**

Sr. Advisor & Head of Ottawa Site, Ericsson
Canada Inc.



WhyOttawa.ca

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

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.

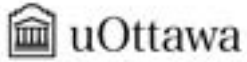
World-class educational programs and research centres include: University of Ottawa's Centre for Research in Photonics, the Max Plank — uOttawa Centre for Extreme and Quantum Photonics and Carleton University's Bachelor of Information Technology program (in conjunction with Algonquin College).

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.

**The sector ecosystem is supported by the
Centre of Excellence in Next Generation
Networks (CENG).**

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



Invest
Ottawa

Investir
Ottawa

WhyOttawa.ca

OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

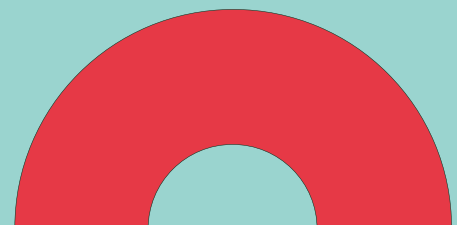
As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

Ottawa- Gatineau is Canada's Cyber Cluster

Ottawa is home to a thriving cybersecurity cluster founded on researchers, innovators and companies that are contributing leading-edge offensive and defensive cyber solutions around the world. Spanning the region of Ottawa Gatineau, this cluster is based around specialized cyber expertise, products and solutions in: Cybersecurity Services, Encryption, Identity and Access Management, Risk and Compliance, Security Operations, Vulnerability Defence and Ancillary Services.

Anchored by multinationals including India's Aujas, Microsoft, Hewlett Packard and Accenture, the Ottawa-Gatineau cybersecurity cluster includes some 100 companies. Their work spans several domains, including vulnerability defence, identity and access management, encryption, security operations, risk and compliance, cybersecurity services and ancillary services. Ottawa is home to 90 percent of Canada's industrial telecom R&D, so there are also plenty of potential customers. The capital is also home to a robust defence sector, 65 federal R&D labs and several venture capital and angel investment firms.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Ottawa is home to the Communications Security Establishment, Canadian Centre for Cyber Security, Public Safety Canada, Royal Canadian Mounted Police, Department of National Defence and CyberSecure Canada.

The Business Development Bank of Canada invests in innovative, knowledge-based companies, and Export Development Canada provides direct venture capital and other financing for Canadian technology businesses.

The University of Ottawa's hub for cybersecurity and cyber safety partners with IBM to address critical government, public-and private-sector needs for advanced cybersecurity, specializing in research, solutions, skills and services.

Established by Ottawa mainstay General Dynamics Mission Systems–Canada, Carleton University's Cyber Reference Lab aims to foster collaborative cyber research and innovation between government, researchers and industry.

A 100 percent Canadian innovator in the Quantum Communication space, Quantropi's QiSpace™ is the only end-to-end quantum security SaaS platform with all three prerequisites for cryptographic integrity: Trust, Uncertainty, and Entropy (TrUE).

“

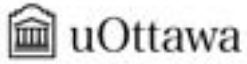
Coming to Ottawa made a lot of sense for IBM. When they wanted to open a cyber range, they came because of access to the federal government, Kanata North, universities. Cybersecurity is a team sport. We need to win together, and we need a place to play. This is the place.

– GUY-VINCENT JOURDAN

Co-director, uOttawa-IBM Cyber Range

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



Invest
Ottawa

Investir
Ottawa

WhyOttawa.ca

OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

North America's Leading Compound Semiconductor Centre

For over 50 years Ottawa has been home to an innovative semiconductor industry. Today the city boasts research and development centres for the world's largest telecommunications companies and world-renowned government research labs.

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. As a result, an Ottawa-based semiconductor fab benefits from proximity to inputs (designs) and outputs (contract manufacturers).

Today, 90 percent of Canada's industrial telecommunications R&D takes place in the city. Bolstered by engineering and R&D labs established by Nokia and Ericsson, and the rapid growth of Ciena, the region is spearheading 5G innovation, next-generation networks and communications that will revolutionize the future.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

“

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 hightech, defence, med-tech and industrial companies as well as the sought-after local talent.

– **HANS MOLIN**
President, Syntronic Canada

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

The Canadian Photonic Fabrication Centre (CPFC), operated by the National Research Council Canada (NRC), is a III-V fab producing InP semiconductors for optical applications and GaN for very high frequency and rad-hard environments.

The NRC works closely with collaborators to provide professional development and training to engineering students in multiple aspects of semiconductors. This work is in close collaboration with the University of Ottawa, Carleton University and Algonquin College.

Ottawa is also home to semiconductor designers such as Marvell, NXP, Skyworks, Synopsys, Infineon, TSMC and Xilinx. Because of our abundance of engineers and designers, Ottawa also supports several multi-national contract manufacturers. These include Jabil, Sanmina and Flextronics.

With the highest concentration of tech talent in North America and world-class educational programs, Ottawa has an established base of highly trained people, including those with expertise in semiconductor processes.

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



National Networks



Research Institutes

Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



Invest
Ottawa

Investir
Ottawa

WhyOttawa.ca

OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

The Right Place for Aerospace, Defence and Security

Our aerospace, defence and security sector includes both Fortune 500 companies and globally competitive small- and medium-sized enterprises that offer large reservoirs of talent and capabilities. With 2,000+ companies in this sector, and as a G7 capital city and headquarters for many federal government departments, Ottawa is Canada's national hub for this highly important sector.

This diverse sector offers expertise in C4ISR, robotics, unmanned aerial vehicles, high performance cybersecurity solutions, personal protection, interoperable technologies for first responders and military end-users, CBRNE protection, maintenance and monitoring, sub systems and support.

As the home to the Department of National Defence, Canadian Security and Intelligence Service, Public Safety Canada, Canadian Air Transport Security Authority, Royal Canadian Mounted Police, Communications Security Establishment Canada and Canada Border Services Agency, Ottawa is a natural hub for Canada's defence and security sector.

With proximity to government procurement opportunities, ADS companies also have privileged access to some of Canada's best research and development (R&D) capabilities.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

“

It's never been a more exciting time to be in the defence, space, telecom sector, and here in Ottawa, it really is the epicentre of it. What we're seeing is this mass emergence towards leveraging the commercial space sector to really hit the needs of Canadians and people around the world and hit their basic needs.

– **STEPHEN HAMPTON**

Senior Director, Global Public Policy, Strategic
Accounts and Business Development – Telesat



WhyOttawa.ca

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Amongst the more than 65 research labs located in Ottawa are the following facilities that support the communications technology sector: NRC's Aerospace Division, Canadian Space Agency's David Florida Laboratory, Defence Research and Development Canada, and Communications Research Centre Canada

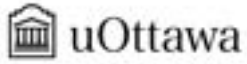
World-class educational programs and research centres include Carleton Aerospace, one of the largest and most comprehensive academic aerospace research programs in Canada, with a wide range of unique, state-of-the-art research facilities. The university is recognized internationally as a leader in aerospace education and research.

The sector ecosystem is supported by CADSI (Canadian Association of Defence and Security Industries).

Fortune 500 companies such as General Dynamics, Thales, Leonardo DRS and Lockheed Martin make their home here, as does a cluster of globally competitive small- and medium-sized enterprises that offer large reservoirs of talent.

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



National Networks



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



Accelerate time-to-market and commercial adoption of your next-gen technology.

Located in Ottawa, Canada's Capital, Area X.O is the futureplex of innovation and collaboration operated by Invest Ottawa. Leveraging powerful public-private partnerships, this state-of-the-art, multi-disciplinary R&D facility offers a safe and secure environment to create, test and demonstrate and implement next generation technologies. Combining diverse expertise with Ottawa's internationally recognized strengths in telecom and cybersecurity, Area X.O operates one of the most advanced communications infrastructures in the world.

The state-of-the-art facilities offer a safe and secure environment to create, test and demonstrate future connected technologies. Area X.O fuels the creation, commercialization and adoption of breakthrough innovations. Whether in the air, on the ground, or in a combination of environments – Area X.O is built to elevate global tech innovations. Any innovation. Any application. Any sector... from transportation and delivery services, defence, security and emergency response to smart agriculture, aerospace, and smart cities.

Operated by Invest Ottawa, lead economic development agency for Canada's Capital, Area X.O is positioned within one of North America's hottest, most diverse global tech hubs.



Area X.O offers:

- One of the most advanced, integrated communications test infrastructures in the world with numerous GPS systems, 4G/LTE, WiFi, LoRa, TV White Space and 5G (including mmWave) and satellite communication systems
- V2X (vehicle-to-everything) testing, validation and demonstration in a four-season climate with temperatures from -39 to +39 degrees Celsius (-38 to +102 degrees Fahrenheit)
- Cybersecurity solutions, and industry-leading data gathering, analysis and cloud capabilities
- Unrivalled proximity to policymakers and regulators: 65 federal research labs, 130 embassies, government departments, 1,750 innovative tech companies and five post-secondary institutions
- Access to investors looking to invest in new high-tech products and service
- The highest concentration of tech talent per capita in North America.



Area X.O is a significant development that recognizes the potential of autonomous systems to impact both on-road and off-road applications, providing engineers a test bed to develop autonomy that improves safety for motorists and makes a variety of industries more efficient and sustainable.

**John Buszek, Hexagon |
AutonomousStuff Vice President
of Products and Services**

For Cheetah Networks, Area X.O has been an invaluable resource to expand, test, and strengthen our IoT network analytics capabilities in a rugged, industrialized environment. Ottawa is a recognized leader in technology innovation, and the smart cities testbed provides an important hub of innovation for local tech firms. It keeps Ottawa on the map nationally and internationally as the world advances quickly toward greater digitization and automation where smart cities are a critical element of the future.

**Michael McCallen,
President and CEO,
Cheetah Networks**



The Area X.O facilities have been designed with a “plug and play” environment for all-weather experimentation. There are numerous connected technology infrastructures on the test sites and they have been wired with power and fiber to enable easy sensor connectivity and data collection. We are also home to the Ottawa Smart Farm which brings together a host of technologies, data analytics and smart fields on 100 acres of farmland.



AreaX.O Private Facility

A complex complex

Private R&D Facility

The Area X.O private R&D facility is an 1,866 acre, fenced and gated facility. The largest secure test facility of its kind in Canada, the Area X.O facility is equipped to be a proving ground for future mobility and connected technologies.

Area X.O is the only integrated smart city/V2X living lab and test facility of its kind in North America.

The site features:

- Training rooms, storage and touch-down space
- 16 KM of paved roads
- Advanced V2X communications infrastructure
 - 4G/LTE, WiFi, LoRa, TV Whitespace, 5G including mmWave, GPS and satellite backhaul
- Sensors for air and pavement temperature, humidity, barometer and wind
- Two traffic intersections enabled with CV2x/DSRC, cameras, and sensors suites.

The site is organized into testing zones that focus on different types of testing:

- A School Zone
- A Railway Crossing Zone
- A Smart City Zone
- A Suburban City Zone
- A Drone Testing Zone, and
- A Smart Farming Zone featuring demonstration fields.



Proprietary assets companies can use to test and validate their technologies include:

- The Ottawa Smart Farm – an agritech innovation playground
- The Area X.O Command Centre
- The Area X.O Mobile Command Centre
- The Area X.O autonomous Lexus
- A level 2 and level 3 charging station from ChargePoint
- Numerous sensors and EVAL boards (LIDAR, Thermal, Radar, Optical...)
- 2 low-speed Aurigo automated shuttles
- A smart railway crossing
- Crash avoidance equipment including child, adult and cyclist motorized test targets
- Safety and situational awareness monitoring
- Access to multiple partners including BVLOS drone operators.



Public R&D Facility

The Area X.O public R&D facility, located in Kanata North, the largest technology park in Canada, provides a test environment of public roads and a connected, live city infrastructure available for companies to deploy and test their technologies.

The site features:

- 9 kilometers of paved roads
- A smart intersection featuring:
 - CV2x/DSRC, 4G-LTE and 5G for V2X
 - Multiple sensors including precipitation, visibility, LIDAR, thermal, humidity, barometer and wind
- Data, cloud and analytics platform and services
- 9 traffic lights (DSRC), crosswalks, and communications technologies including GPS
- High-definition cameras
- Multiple speeds and lanes of traffic.

To submit a request for services and support at Area X.O or to book space for development, testing, validation and/or demonstrations, visit areaxo.com

Anchor partners



Sponsors



Founding partners



Research partners





Innovative Technology Meets Life-changing Research

Ottawa's life sciences sector has emerged into the global market as a centre of discovery, development and commercialization. Our world-class academic research, renowned patient-centred hospitals and access to innovative government labs attract life sciences leaders from around the globe.

With more than 130 companies employing 6,000 highly skilled people, Ottawa's life science landscape is founded on strong R&D capabilities with expertise in Health IT, mHealth, eHealth and medical devices. This includes world-leading and innovative companies such as Siemens Healthineers, Abbott Point of Care, Thermo Fisher Scientific and Turnstone Biologics, just to name a few.

With a strong combination of academic research, centres of excellence, government departments, world-leading hospitals including The Ottawa Hospital, and industry, the nation's capital provides a lucrative environment for leading-edge products, technologies and innovations.

Ottawa research hospitals provide a strong base for life sciences and associated R&D, with five of the top 40 Canadian hospital research institutions based in the region.

OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

“

As a high-tech hub, Ottawa is supported by colleges and universities that attract and develop a pipeline of really world-class talent. Access to great talent is a critical reason why we chose to locate in Ottawa.

– **TED O'NEILL**
Site Director, Abbott

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Abbott Point of Care and Siemens Healthineers
account for the majority of POC clinical blood
diagnostic systems globally.

The Ottawa Hospital is one of Canada's largest
learning and research hospitals with over 1,100
beds, approximately 12,000 staff and an annual
budget of over \$1.2 billion.

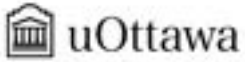
Consistently ranked among the top 10 medical
schools in Canada, the University of Ottawa's
Faculty of Medicine attracts over 50 percent of the
university's total research funding and is among
the top faculties of medicine in the world for
research impact in biomedical and health sciences.

Ottawa is home to three Networks of Centres of
Excellence of Canada: ArcticNet, Biotherapeutics
for Cancer Treatment-BioCanRx, and the Centre of
Excellence in Next Generation Networks – CENG.

The city is also a global hub in the research and
development of viral vectors and oncolytic viruses.

Sector Ecosystem

Post-Secondary Institutions



Business Support



Industry Leaders



National Networks



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



Invest
Ottawa

Investir
Ottawa

WhyOttawa.ca

OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

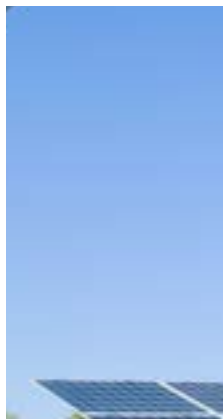
Flourish with Our Clean Technologies Sector

A critical mass of clean technologies companies, teamed up with government labs, experienced researchers and engineers, and key industry associations, put Ottawa in a unique position to lead Canada's clean technology industry.

Home to global leaders such as Honeywell, Johnson Controls, Wesco Waste Management, sector strengths include: bio-refinery; recycling, recovery and remediation; waste and wastewater; energy infrastructure and smart grid; energy efficiency and green buildings.

Ottawa is also home to key federal departments and agencies including Environment Canada, Natural Resources Canada, Agriculture and Agri-Food Canada and Sustainable Development Technology Canada.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

Solantro is a fabless semiconductor company, with core expertise in semiconductor-based, system-on-chip architectures for distributed and scalable renewable power systems. Acknowledging the tremendous market potential associated with Distributed Renewable Power, Solantro recognized the opportunity for a fundamentally new approach to power conversion, energy storage and grid-management system architectures based on semiconductor economics and is delivering on those expectations.

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Amongst the more than 65 research labs located in Ottawa are the following National Research Council facilities that support the clean technology sector: the Construction Research Centre; the Energy, Mining and Environment Research Centre; and the Ocean, Coastal and River Engineering Research Centre.

World-class educational programs and research centres include Carleton University's Canada Research Chair for Environmental and Interdisciplinary Sciences and the Canada Research Chair in Wastewater and Public Health Engineering.

Sector ecosystem is supported by the Canada Green Building Council.

Sector achievements often make the headlines. For example, in December 2020, GaN Systems was named to the Global Cleantech 100 — a prestigious peer-reviewed list of the top private companies and most promising ideas in cleantech.

Sector Ecosystem

Post-Secondary Institutions



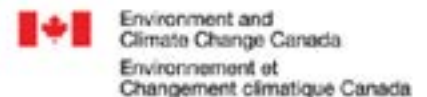
Business Support



Industry Leaders



Research Institutes



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca



OTTAWA: Your Next Move!

In the heart of Canada lies a powerhouse of innovation — Ottawa.

We have North America's highest concentration of tech talent. Our innovation playground is vast and diverse. Our strengths span software, AI, smart mobility, cybersecurity, digital health and more. Global giants like Nokia and Ericsson share our streets with homegrown heroes Kinaxis, Shopify, Ross Video, Fullscript and Mitel, and startups and scaleups like Assent, Solink and MindBridge.

As the most educated Canadian city, with the nation's largest tech park, 65 research labs, 130 embassies, and our unrivalled quality of life, we aren't simply Canada's Capital, we are a global tech capital. And our true magic lies in our diverse, collaborative community.

Join us in Ottawa. We're not just imagining our future — we're building it.

Ottawa's Media and Entertainment Technology Landscape

Ottawa's Media and Entertainment Technology sector is shaping global content, with creators producing animation, gaming and immersive digital experiences for audiences worldwide. Local talent contributes to major streaming series, top mobile titles and VR environments, reflecting the city's blend of creativity and technical depth.

What distinguishes Ottawa is the tight integration between creative production and advanced technology. Studios draw on strengths in software, networking, cloud systems and AI to build efficient, scalable pipelines and deliver high-quality digital media across multiple platforms.

Collaboration is a defining feature of Ottawa's ecosystem. Studios frequently partner on co-development, creative problem-solving and emerging media formats, enabling teams to take on complex projects and move quickly from concept to execution.

With a resilient tech foundation, strong creative capacity and a culture that encourages experimentation and cross-sector innovation, Ottawa continues to advance the future of digital storytelling and interactive media.





1st

in Canada and
7th in the world
for best work-life
balance
(KISI, 2022)

65%

of Ottawa's population is
enrolled in, or has
completed, post-secondary
education, making it one of
the most educated cities in
Canada (Statistics Canada,
2021)

20M

consumers within
a 400 km radius

2nd

most affordable among
major North American cities
(Mercer, 2024)

Ottawa's blend of creative excellence and advanced technology has helped the city grow into a leading Media and Entertainment hub. Here, studios and digital creators work within an innovation-rich environment that accelerates production, encourages cross-disciplinary partnership and supports new approaches to storytelling. As the global landscape shifts toward more interactive, immersive and high-performance content, Ottawa continues to stand out as a place where future media ideas take shape.

12%

concentration of tech talent — the highest
among the top 50 North American cities
(CBRE, 2025)

1,800+

knowledge-based businesses in the
National Capital Region

95,000+

highly skilled tech professionals in the
National Capital Region's public and
private sectors

Ottawa is a big player in Canada's growing media and entertainment sector, particularly in the areas of digital media, animation, gaming and virtual reality.

The city is home to 170+ digital media companies, which employ over 1,600 industry professionals.

With Ottawa-based institutions like Algonquin College, the University of Ottawa and Carleton University, Canada's capital has access to highly skilled talent necessary to create award-winning productions.

Ottawa's media and entertainment technology industry is strong enough to compete on the global stage. Major studios like Disney, Dreamworks, Pixar, Teletoon, Nascar and Hasbro have historically partnered with local digital media studios.

The city of Ottawa is home to several key players in the digital media, gaming and virtual reality domains, including BigJump Entertainment, Snowed In Studios, Mercury Filmworks, Ajax Creative Inc., Atomic Cartoons, Playbrains and Magmic.

Sector Ecosystem



Post-Secondary Institutions



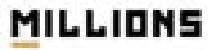
Business Support



Animation Houses



Productions Technologies



Gaming



Interested in expanding?
We are here to help.

Contact us



WhyOttawa.ca

