

Sherbrooke si innovante

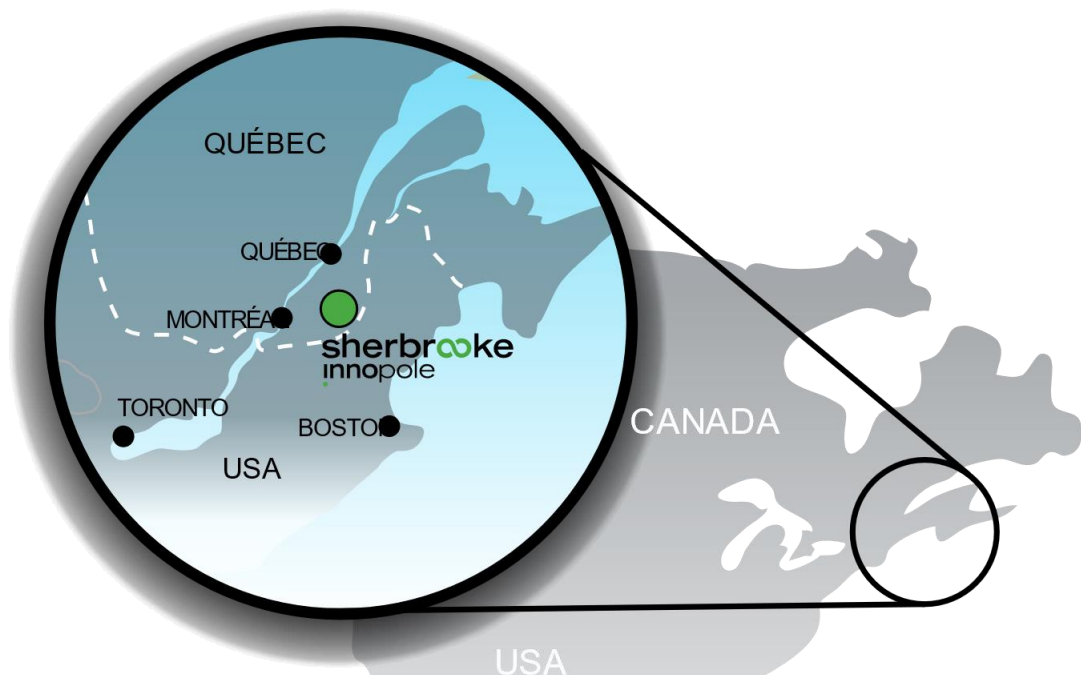
Sherbrooke, so innovative

sherbrooke
innopole

SIMPLIFIE / SOUTIENT / DÉVELOPPE

Sherbrooke City: A Strategic Location with Entrepreneurial Dynamism

Sherbrooke City named the **2nd most entrepreneurial community in Canada**



- Economic development organization of Sherbrooke City and among **the 2021 top 20 economic development agencies in Canada**
- Pioneer of the **venture capital funds from pre-seed**, pre-commercialization to growth
 - Benefits of \$ 72.65 for every dollar invested (2020)
- Major **initiatives & infrastructures** to meet the needs of our entrepreneurs
 - **ACET-Banque Nationale** – Accelerator
 - **Espace-inc** – Incubator
 - **Espace LABz** – Multi-tenant center with private laboratories and offices, equipped shared lab space
 - **Espace TI** – Co-working rental space in IT
 - **INNOVA Path** – Start-up program

KM MILES

Montréal	147	92
Québec	237	148
Portland, ME	299	187
Boston	434	271
New York	657	410
Toronto	693	433
Washington	1091	682
Chicago	1500	932

*Gateway to a market of more than **440 MILLION CONSUMERS** through the Canada - United States - Mexico Agreement (CUSMA)*

Highly skilled workforce

Main-d'œuvre bien formée et hautement qualifiée



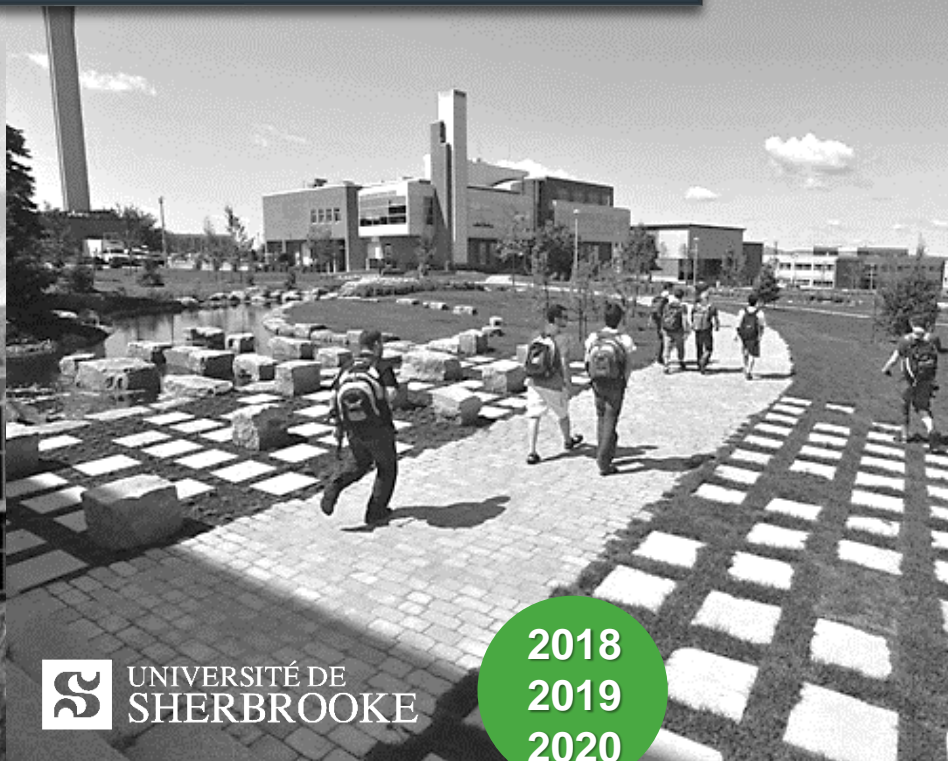
1st in Canada – Student satisfaction

1^{res} au Canada – Satisfaction des étudiants



2017

UNIVERSITÉ
BISHOP'S
UNIVERSITY



UNIVERSITÉ DE
SHERBROOKE

2018
2019
2020

40 000

40,000 post-secondary students (the highest per capita ratio in Québec)
40 000 étudiants de niveau postsecondaire (le ratio par habitant le plus élevé au Québec)

+ 600

+ 600 scientists working in more than a hundred chairs and research centers
+600 scientifiques travaillant dans plus d'une centaine de chaires et centres de recherche

42 %

bilingualism rate, one of the highest in Québec
42% Taux de bilinguisme parmi les plus élevés au Québec

Sherbrooke Innopole's key sectors



**INDUSTRIES
MANUFACTURIÈRES
ET FABRICATION
DE POINTE**
*ADVANCED
MANUFACTURING*

376
ENTREPRISES / BUSINESSES

10 119
EMPLOIS / JOBS

513 M\$
*D'INVESTISSEMENTS /
INVESTMENT*



**TECHNOLOGIES
PROPRES**
CLEANTECH

105
ENTREPRISES / BUSINESSES

3 184
EMPLOIS / JOBS

26 M\$
*D'INVESTISSEMENTS /
INVESTMENT*



**TECHNOLOGIES DE
L'INFORMATION**
*INFORMATION
TECHNOLOGIES*

126
ENTREPRISES / BUSINESSES

2 276
EMPLOIS / JOBS

11 M\$
*D'INVESTISSEMENTS /
INVESTMENT*



**SCIENCES
DE LA VIE**
*LIFE
SCIENCES*

53
ENTREPRISES / BUSINESSES

2 863
EMPLOIS / JOBS

69 M\$
*D'INVESTISSEMENTS /
INVESTMENT*



**MICRO-NANO
TECHNOLOGIES**
*MICRO-NANO
TECHNOLOGIES*

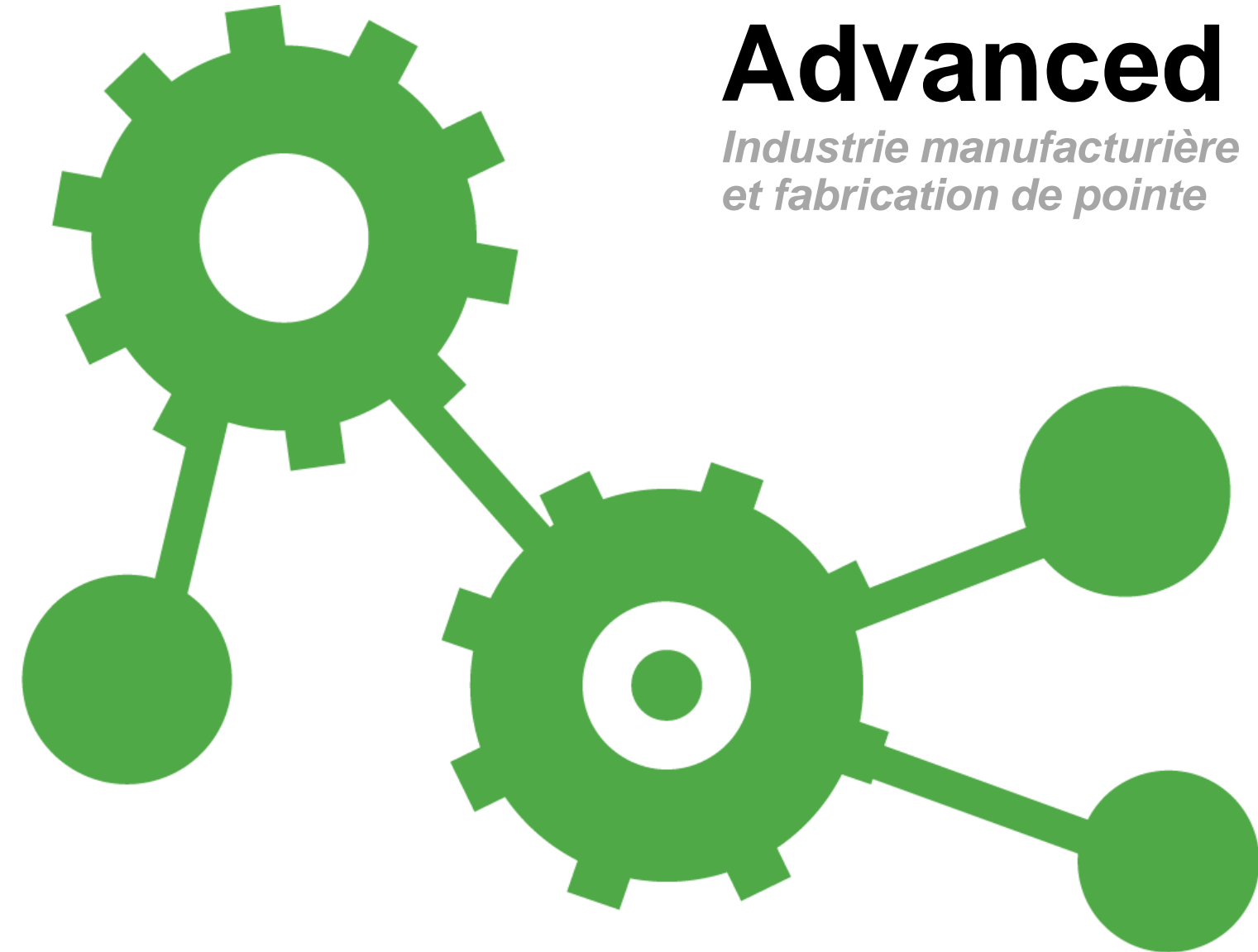
8
ENTREPRISES / BUSINESSES

932
EMPLOIS / JOBS

49 M\$
*D'INVESTISSEMENTS /
INVESTMENT*

Advanced manufacturing

*Industrie manufacturière
et fabrication de pointe*



A dynamic manufacturing sector

Un secteur manufacturier dynamique



- **A major economic weight with 13% of jobs in Sherbrooke** (3rd largest employer after the health and trade sectors)

Un poids économique important avec 13 % des emplois de Sherbrooke (ce qui en fait le 3e plus important employeur après les secteurs de la santé et du commerce)

- **A very diversified key sector with 19 manufacturing subsectors* represented on a total of 21** (* NAICS – North American Industry Classification System)

Une filière très diversifiée avec 19 des sous-secteurs manufacturiers représentés sur un total de 21 (* SCIAN – Système de classification de l'industrie de l'Amérique du nord)*

- **Mostly SMEs and many large companies such as :**

Caractérisé majoritairement par des PME, mais présence de plusieurs grandes sociétés également comme :



A dynamic manufacturing sector

Un secteur manufacturier dynamique

● **378 businesses and 10,858 jobs**

378 entreprises et 10 858 emplois

● **11.5% job growth in the last 5 years**

Croissance de 11,5 % des emplois depuis 5 ans

● **Manufacturing businesses open to export markets**

Des entreprises manufacturières ouvertes aux marchés extérieurs

- 66 % sell outside Québec
66% vendent à l'extérieur du Québec
- 50 % sell outside Canada
50% vendent à l'extérieur du Canada
- 21 % sell outside North America
21% vendent à l'extérieur de l'Amérique du nord



5 industrial flagship sectors

5 secteurs industriels phares

1

Metal processing (*Transformation métallique*)

21 % of jobs (*21% des emplois*)

2

Transport equipment (*Matériel de transport*)

17 % of jobs (*17% des emplois*)

3

Machinery industry (*Fabrication de machines*)

17 % of jobs (*17% des emplois*)

4

Rubber / plastic products (*Produits en caoutchouc / plastique*)

10 % of jobs (*10% des emplois*)

5

Wood furniture and products (*Meubles et produits en bois*)

5 % of jobs (*5% des emplois*)

Niches of excellence recognized by the Québec Government

Créneaux d'excellence reconnus par le gouvernement du Québec

- [Vallée des Élastomères](#) / *Elastomer Valley*
- [Pôle d'excellence québécois en transport terrestre](#) / *Québec Ground Transportation Cluster*
- [Service intégré du bois \(SIB\)](#) / *Integrated wood service*

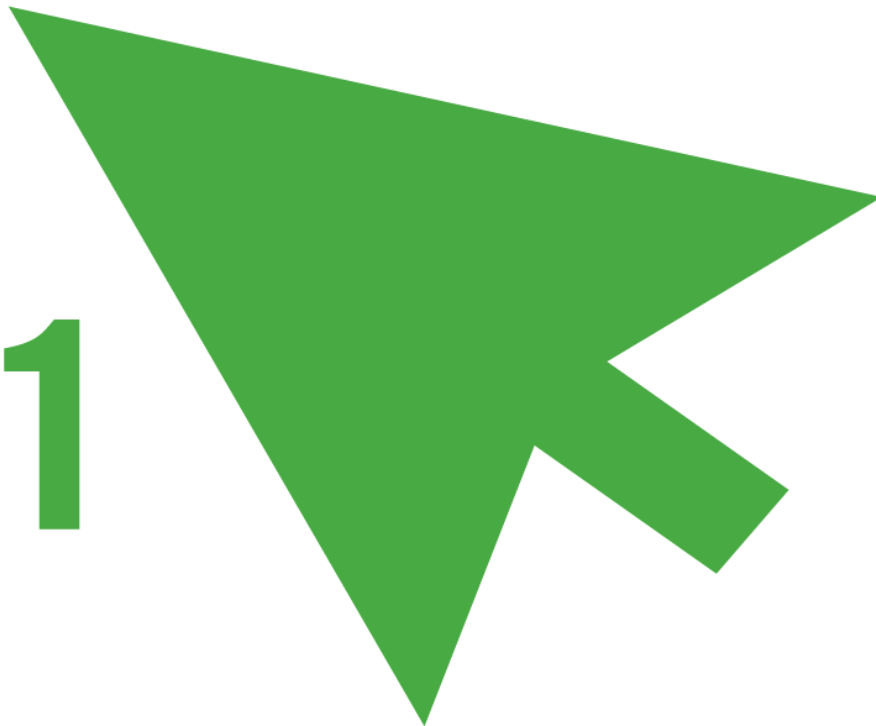
Information technologies

Technologies de l'information

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Sherbrooke: thriving IT key sectors

Quantum computing

- Institut quantique
- The IBM Q Hub
- Attractive hub for startups
- Quantum innovation zone

IoT / IIoT

- Public LoraWan Network
- Public Wifi network

Artificial intelligence

- Research chairs
- Some AI companies

Cybersecurity

- Some innovative companies
- Cybersecurity training

Gaming

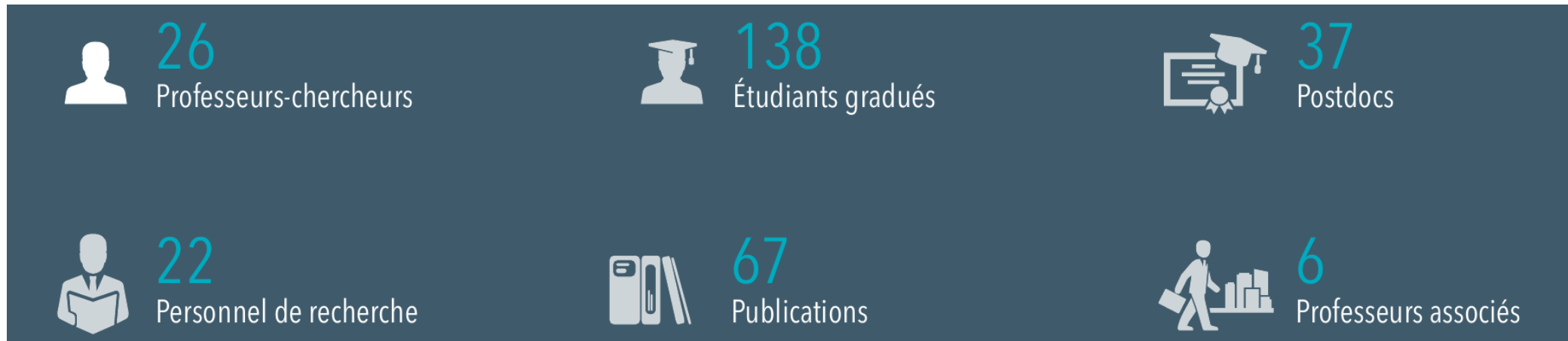
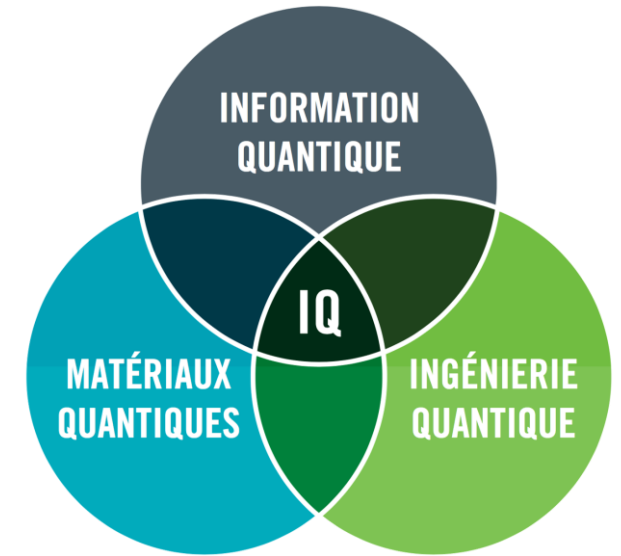
- Creative studios
- Gaming technologies development

Applied IT trainings

- List of available trainings in IT and related fields

The Institut Quantique – Quantum computing

- An ongoing commitment over 40 years having led to the **creation of the Institute in 2016**: \$80 million, of which more than 80% comes from the private sector, thus doubling the initial investment
- Interdisciplinary research institute bringing together scientists specializing in quantum materials, quantum information and quantum engineering
- State-of-the-art experimental research and numerical computing infrastructure
- Entrepreneurship



The Ecosystem in Quantum Sciences & Technologies will build on existing partnerships

Research Facilities



From Quantum Science to Technology – lab work to production scale environment

[IQ : Institut Quantique](#)
[3iT : Institut Interdisciplinaire Innovation Technologique](#)
[C2MI : Centre de Collaboration MiQro Innovation](#)
[CMC Microsystems](#)

Our Quantum Startups

Nord
Quantique

Qubic 

SBOquantum

Others to come

- + 3 new startups joining our incubator

Companies that have chosen Sherbrooke

ESPACE
IBM Q

1QBit

- Discussions with 10 other industrial partners



Innovation Zone Quantum Sherbrooke



- Investments of **\$435 million**
- Supporting +13 projects including IBM's fourth quantum computer outside the United States.
- \$205 million investments from private sector over the next five years among which 1QBit, Pasqal, and Eidos-Sherbrooke
- **Espace Quantique 1**, a multi-tenant space
- Access to office and dedicated cryogenic facilities, specialized quantum labs

Energy tech: Sectors charged with opportunities

Secteurs chargés d'opportunités

Nanopowder for battery anode
Nanopoudre pour anode de batteries

TEKNA

Thermal battery management
Gestion thermique des batteries

Calogy
solutions

Energy efficiency
Efficacité énergétique

GAAMA
Intégration de procédés industriels

Demtroys
CONTRÔLE & MONITORING DU CHAUFFAGE



Electric vehicle manufacturers
Manufacturiers de véhicules électriques



Charging stations
Bornes de recharge

TECHNOVE



Advanced technological R&D center
Centre de technologies avancées



Water tech: A flow of opportunities

Un écosystème inondé d'opportunités



TOP 6 PLACES TO LAUNCH YOUR WATERTECH STARTUP

Canadian
innovation
clusters that
will make your

Canada has ambitions to become a cleantech powerhouse fuelling new jobs, growing the economy, reducing emissions, and protecting water. In January, the federal government announced that it would invest \$700 million over the next five years through the Business Development Bank of Canada (BDC) to grow Canada's clean technology industry—a major boost. However, the most exciting advancements are occurring at the local level where innovation clusters are industry-driven, university-fuelled, and funded by private venture capitalists with skin in the game.

SPECIAL FEATURE

LIFESTYLE PERKS

With its lakes and mountains, Sherbrooke provides all the advantages of a dynamic urban metropolis with fast access to nature for open air enthusiasts. Sailing, swimming, kayaking, golf, tennis, soccer, horse-riding, hiking, biking, downhill skiing, snowshoeing, and a diversified cultural and gastronomic scene are all enjoyed in the region.

FINANCIAL INCENTIVES

Cost of living in Sherbrooke is below average prices in most major Canadian cities. Sherbrooke offers a soft-landing program with subsidies for property tax credit, industrial and scientific land from \$1/sq.ft.

MEDIAN COST FOR FOUR-BEDROOM HOUSE \$205,000

LOCAL WATER BODIES

Sherbrooke has been called the City of Rivers (Cité des rivières), because it was built at the confluence of two main rivers, the Magog and St-François, where an independent hydroelectric power plant was established.

BUSINESS ECOSYSTEM SERVICES

It's an innovation and business hub with a large ecosystem of around 50 organizations that support the businesses and entrepreneurs at different levels, including Sherbrooke Innopole, Progestion Estrie, Accelerator for the creation of technological businesses (ACET/Accélérateur de création d'entreprises technologiques), Espace-inc, Environmental bioindustry créneau accord (CABIE), réseau environnement-Estrie, Chamber of commerce Sherbrooke, Maison régionale de l'industrie, Synergie Estrie (Circular economy initiative for industrial symbiosis in Sherbrooke).

LOCAL INDUSTRIES

Advanced manufacturing, cleantech (117 companies and 3,000 employees), information computational science, life sciences, and nanotechnology.



E2Metrix Inc is one of the region's watertech successes, offering tertiary treatment of municipal wastewater using electrocoagulation and electro-oxidation. The City of Sherbrooke has installed the technology within its own utility.

1 Sherbrooke, Quebec

LOCATED IN THE SOUTHEAST PORTION of the Province of Québec, known as the Estrie region, Sherbrooke is a proud supporter and innovator of water technologies.

"Sherbrooke is a hub for water technologies," said Myriam Bélisle, director of business services for cleantech with Sherbrooke Innopole, a local organization focused on supporting the city's five priority sectors. "We have a specialized team and laboratory of experts in water engineering at Sherbrooke University; we have six specialized clean technology companies in that field. We've even won the best drinking water contest for Canada and second place for North America in 2018," she said.

The city is very proud to walk the talk when it comes to green living and green industry, which is also part of the provincial strategy for economic development. As such,

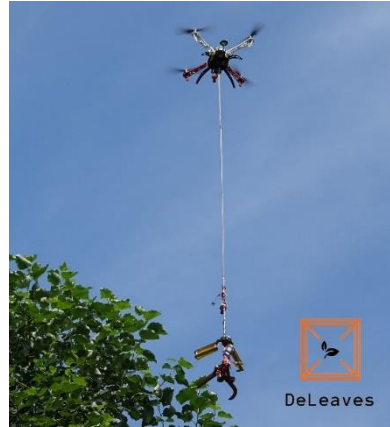
it's affordable. Several comparative studies have shown the cost of human capital, electricity, transportation, telecommunications, and taxes are globally lower in Sherbrooke than most other cities in developed countries.

"We were considered in 2016 one of the top 10 most business-friendly cities in Canada by Canadian Business," said Bélisle.

She explained that her group offers programs to stimulate cross-pollination of ideas. For the watertech clients, this could include access to other cleantech businesses, the city's wealth of engineering firms, the municipality, the manufacturing sector, or the other business support services.

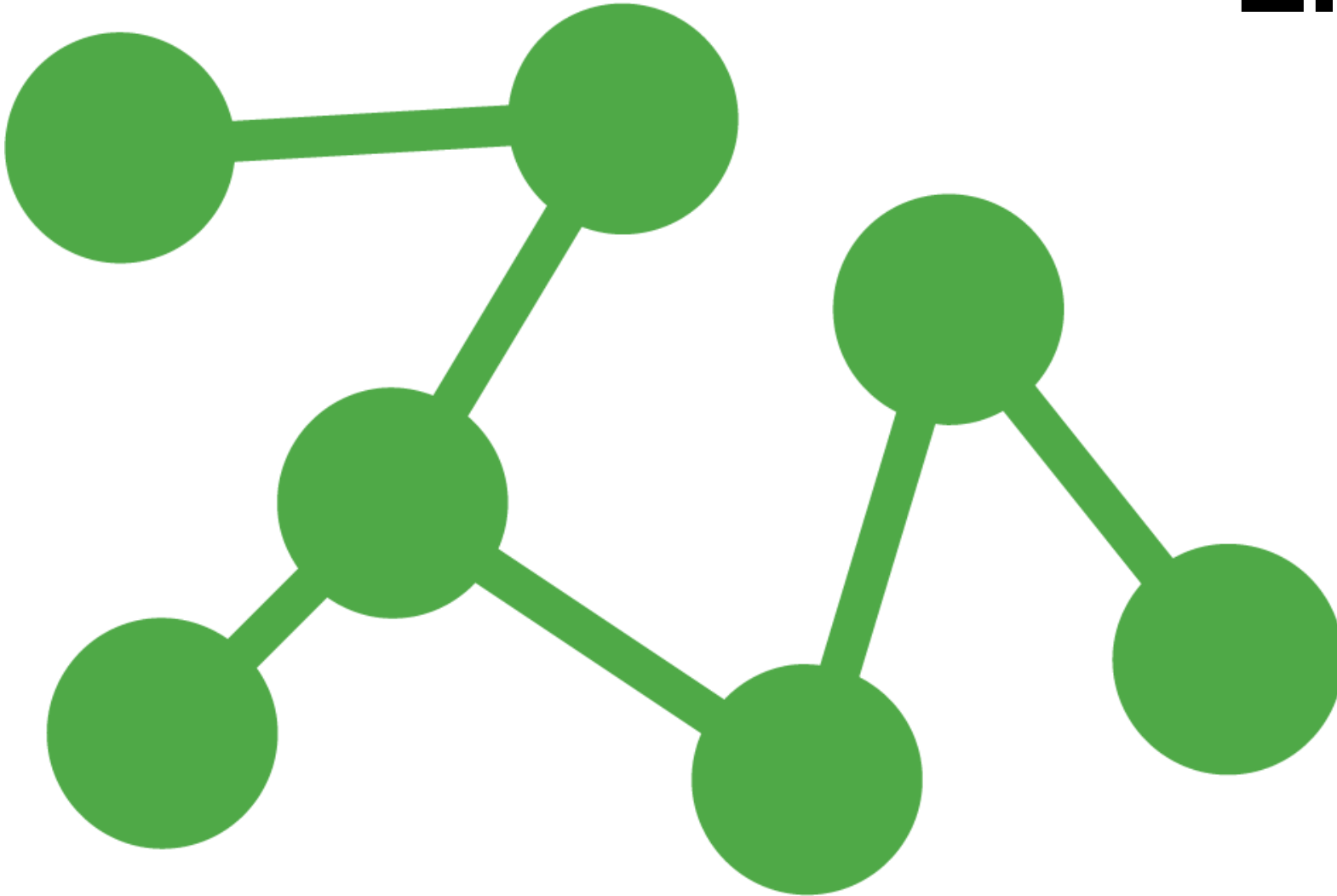
"Because we are a smaller city, we have a network that happens naturally, and we know our business ecosystem, and with the Maison régionale de l'industrie, Synergie

AgTech: Fertile grounds to grow / *Un terreau fertile pour leur développement*



Life sciences


Sciences de la vie




Sherbrooke Life Sciences Scientific Park

A Robust Diversified Ecosystem






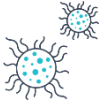
Oncology




Cardio




Neuro




Infectious Dis.




Aging



Cell Therapy



Imaging



**Digital,
Big Data, AI**

CIRIUS : "Living laboratory" to assess the usefulness and integration of health innovations from around the world

<h1>7</h1> <p>Institutions</p>	<h1>5</h1> <p>Multidisciplinary Institutes</p>	<h1>75+</h1> <p>Research Chairs</p>	<h1>30+</h1> <p>Research Centers or Units</p>
<h1>+1 billion \$</h1> <p>Annual direct economic impact</p>	<h1>+3,700</h1> <p>Professors and teachers</p>	<h1>+11,000</h1> <p>Employees</p>	<h1>Multitude</h1> <p>Of research groups in several areas</p>

Life Sciences, Medical Devices & Digital Therapeutics, Services

Sound**BITE**
MEDICAL SOLUTIONS

imeka 

LUMED+
Improving health by
optimizing healthcare


ACASTI
PHARMA


immugenia


encephalx
Cranial Products

Bio
M I M I R

TATUM
bioscience

NEPTUNE 
SOLUTIONS BIEN-ÊTRE

IMMUNE
BIOSOLUTIONS


Alterna
Technologies


DIEX
RECHERCHE


Q&T
RECHERCHE La Santé,
notre raison d'être

Life Sciences, Medical Devices & Digital Therapeutics, Services (2)

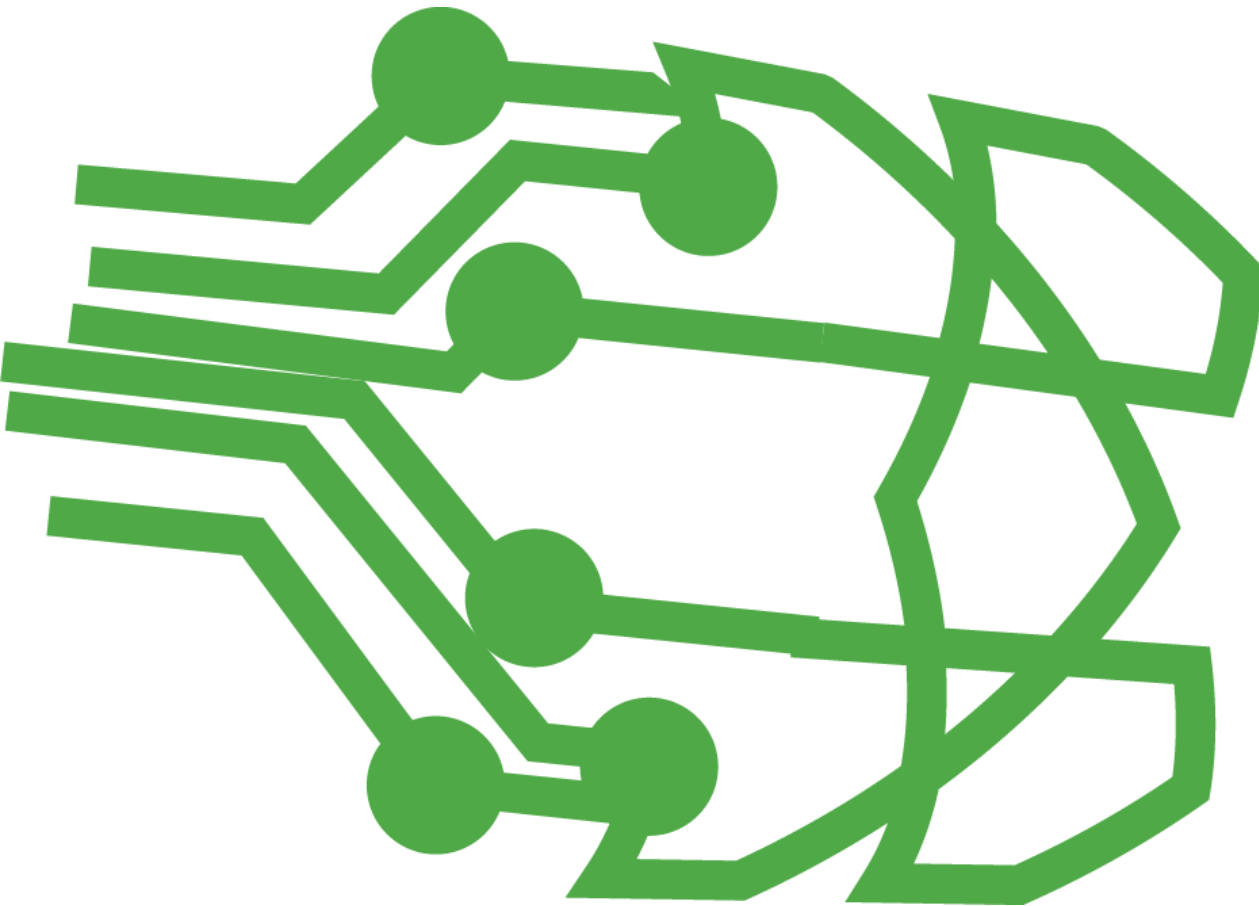


MI Protection



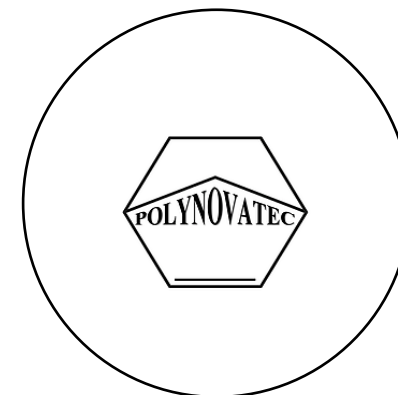
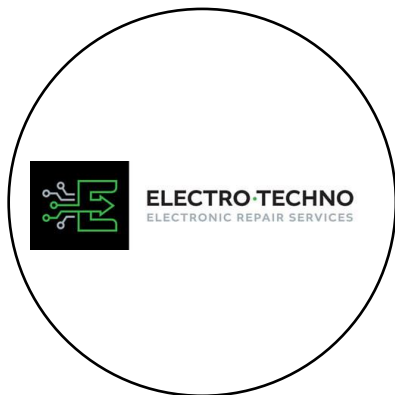
Micro-nanotechnologies

Micro-Nanotechnologies



Micro-nanotechnologies key sector: An emerging sector

Filière des micro-nanotechnologies : secteur en émergence



Why Sherbrooke? (in a nutshell)

TALENTS FOR TODAY AND TOMORROW

- A **hotspot for Chemists, Biologists, Scientists, Chemical Engineers, Chemical Tech., Biological Tech.** The national average for an area the same size is 467 employees, while there are 633 in Sherbrooke
- 48 courses offered with the alternation of study sessions and 3 to 5 paid **internships in a company thus acquiring 12-20 months of experience**
- Survey indicates that **30% of our PhDs in Medicine and Health Science find a job in Sherbrooke**
- Sherbrooke-based companies experience **high retention rate** and **engaged workforce**

DE-RISK PRODUCT DEVELOPMENT

- **Rich ecosystem in Life Sciences:** 7 institutions and 121 chairs, institutes and research centers:
 - **Center of Excellence in RNA Biology**
 - **Institute of Pharmacology (IPS) and Cancer Research Institute (PRAC)**
 - **Université de Sherbrooke Quantum Institute**
 - **Interdisciplinary Institute for Technological Innovation (3IT)**
- Harness the power of quantum computing's ability to simulate larger, more complex molecules with access to **IBM accelerated discovery platform** (1st IBM Q Space in Canada)
- **Access to 30-year database** drawn from computerized patient records of the complete regional population **to feed high-performance and sensitive AI algorithms**

A RICHER AND ATTRACTIVE LIFE IN REGION FOR YOUR TEAM

- **Exceptional natural environment** at 5, 10 or 15 minutes of walking, snowshoeing or cross-country skiing trails and bike paths
- **More money in your pockets**, with a purchasing power 6% higher, and cost of living 19% lower
- **Comprehensive bilingual education network** from elementary school to university
- **42% bilingualism rate**, one of the highest in Québec
- **Less than 30 minutes from the U.S. border** and 271 miles from Boston



TOP 20 ECONOMIC DEVELOPMENT ORGANIZATIONS REPRESENTING **CANADA'S BEST LOCATIONS 2021** (SITE SELECTION, 2021)



2ND BEST LARGE ENTREPRENEURIAL CITY IN CANADA, 1ST IN QUEBEC (CANADIAN FEDERATION OF INDEPENDENT BUSINESS, 2018)



BEST CITY TO STUDY IN CANADA (HELLOSAFE.CA, 2021)

Sherbrooke, un milieu de vie d'exception

Sherbrooke, an exceptional living environment

Very affordable cost of living with average price of:

Single-family home : 265 520 \$
2-bedroom apartment : 710 \$

Coût de la vie très abordable avec un prix moyen de :

Maison unifamiliale : \$265 520
Appartement 2 chambres : \$710

Access to **high quality healthcare** – free for Quebec residents

Accès à des soins de santé de haute qualité – gratuit pour les résidents du Québec

Exceptional natural environment, and extensive network of cycling trails

Mountains and several bodies of water that allow the practice of sports and leisure activities throughout the year

Environnement naturel et vaste réseau de pistes cyclables

Des montagnes et plusieurs plans d'eau qui permettent la pratique d'activités sportives et de loisirs tout au long de l'année

Charming and safe environment

6th largest city in Québec with more than 170,000 inhabitants

Bilingualism rate among the population is over 42% .

Environnement charmant et sûr

6e plus grande ville du Québec avec plus de 170 000 habitants

Le taux de bilinguisme parmi la population est supérieur à 42 %



Bienvenue à Sherbrooke!

Welcome to Sherbrooke!

Si accessible

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