

# 251 start-ups over 25 years

CMC-provided infrastructure contributes to Canadian start-ups



CMC-enabled start-ups: 1997 through 2022/23  
Updated: 2023-07-05

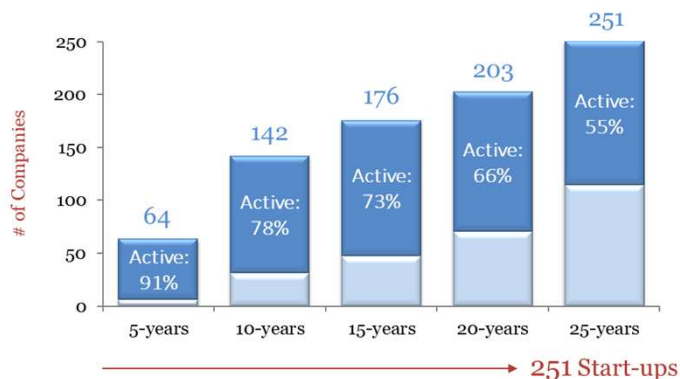
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## 55% of start-ups remain Canadian controlled & active

CMC-enabled start-ups over 25 years



VIE

Tools for start-ups  
[www.CMC.ca/VIE](http://www.CMC.ca/VIE)

- 78% 10-year survival rate.
- Period: 1998 – 2022/23. Based on actual data only. Company names not specified prior to 1999.
- Inactive status: acquired, dissolved or unknown (as of July 2023).



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## Start-ups – examples:



Frontier Fluidics

METABOLIC  
INSIGHTS



Nord  
Quantique



Wireless Fluidics



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# 5 years: 64 Start-ups

2018 – 2022/23

*"CMC allowed us to do cutting-edge research at a fraction of what it would have cost. We could afford to make prototypes, test them, and iterate the process. This enabled us to find our solution more quickly."*

*"We could not have done this without CMC. Canada should be proud to have this institution and I hope it is around for many years to come."*

- F. Nabki (Co-founder), **SPARK Microsystems**

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## CMC-provided infrastructure contributes to start-ups

Impact	2018	2019-20	2020-21	2021-22	2022-23	5-year:
Start-up companies	20	10	14	8	12	64

### 64 Start-up Companies Reported in 2022-23

Company	University	Company	University
Caotech	McGill University	MATRIUS Technologies	École de technologie supérieure
Chiral Quantum	University of Waterloo	OptiFab Technologies	University of Waterloo
Enurgen	University of Ottawa	Palitronica	University of Waterloo
Kimia Analytics	University Of Toronto	RHBD Systems	University of Saskatchewan
KryoZesto	University of Alberta	SiFi Labs	Université Laval
LenSense	Queen's University	[undisclosed]	McGill University

- Updated: 2023-07-05
- Startup companies based on actual data only.
- Change to fiscal year reporting in 2019/20 for consistency with funder reporting cycles.



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## Start-ups: 2021-22

Impact	2017	2018	2019-20	2020-21	2021-22
Start-up companies	15	20	10	14	8

### 8 Start-up Companies Reported in 2021-22

Company	University	Company	University
Boreal Conductors Inc.	Polytechnique Montréal	Jones Microwave Inc.	University of Alberta
Calogy Solutions	Université de Sherbrooke	Mangrove Lithium	University of British Columbia
ISDF - Intelligence Systems Design and Fabrication	University of Waterloo	Zinite Corporation	University of Alberta
LightSail	Western University	Axonal Networks [undisclosed in 2021/22]	McGill University

- Startup companies based on actual data only.
- Change to fiscal year reporting in 2019/20 for consistency with funder reporting cycles. Updated: 2023-06-21



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## Start-ups: 2020-21

Impact	2016	2017	2018	2019-20	2020-21
Start-up companies	16	15	20	10	14

### 14 Start-up Companies Reported in 2020-21

Company	University	Company	University
AquaSensing	University of Waterloo	NerveX	University of Toronto
Bio6	Université Laval	NovusTx Devices	Lakehead University
BioGraph Sense	University of Waterloo	Scope Photonics	University of Waterloo
ELeapPower	University of Toronto	PiAndPower	University of Waterloo
Gold Sentintel	University of Waterloo	Tidal Medical	University of Waterloo
Nord Quantique	Université de Sherbrooke	Wave View Imaging	University of Calgary
Northern Quantum Lights	University of Waterloo	[undisclosed]	McGill University

- Startup companies based on actual data only.
- Change to fiscal year reporting in 2019/20 for consistency with funder reporting cycles. Updated: 2023-06-21



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## Start-ups: 2019-20

Impact	2015	2016	2017	2018	2019-20
Start-up companies	21	16	15	20	10

### 10 Start-up Companies Reported in 2019-20

Company	University	Company	University
ALPHAXON	University of Waterloo	PulseMedica Corp.	University of Alberta
CliniSonix Inc.	University of Alberta	SB Quantum	Université de Sherbrooke
Dream Photonics	University of British Columbia	Sonus Microsystems	University of British Columbia
Metabolic Insights	Simon Fraser University	Tartan AI	University of Toronto
MISO Chip	Polytechnique Montréal	2704304 Ontario Limited	University of Toronto

- Startup companies based on actual data only.
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## Start-ups: 2018

Impact	2014	2015	2016	2017	2018
Start-up Companies*	13	21	16	15	20

### 20 Start-up Companies Reported in 2018

Company	University	Company	University
AgileMMIC	University of Calgary	MYCIONICS	Western University
All Waves Technologies	Université de Sherbrooke	Nomic (previously nPLex Biosciences)	McGill University
CleanTech Geomechanics	University of Waterloo	SenZioT Technology	University of Alberta
DropGenie	Concordia University	SHIELD Crypto Systems	University of Toronto
DropTissue BioTech Inc	University of Calgary	Smart EDA Technologies	University of Guelph
Durabrace	University of British Columbia	SmartRF Inc.	University of Calgary
Get Smart Analytics	University of Ottawa	Tibor Designs	University of Ottawa
Harvest Systems Inc	McMaster University	Maxwell Therapeutics (formerly	University of British Columbia
Mazlite	University of Toronto	VisuCyte Therapeutics)	
Micromensio	University of Toronto	VueReal Technologies	University of Waterloo
		Ziprprint	University of Alberta

■ Startup companies based on actual data only. Updated: 2023-07-05



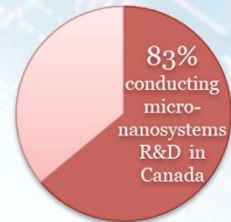
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## Innovation in high growth sectors

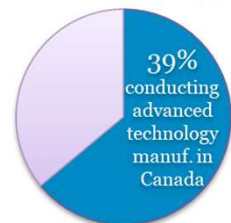
### CMC-enabled Start-ups: Distribution by Sector



n = 96 | Start-ups map to one or more sectors  
CMC Industry Study 2020/21 | Period: 2010 – 2019/20



Research & Development



Advanced Technology Manufacturing



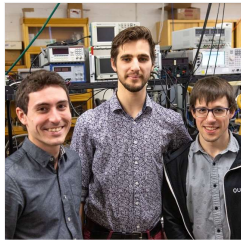
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## Examples of CMC-enabled start-ups

[www.CMC.ca/SuccessStories](http://www.CMC.ca/SuccessStories)

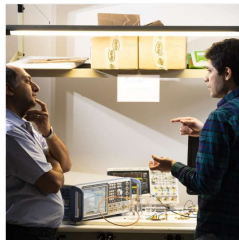
A quantum sensor for  
the mining sector



**SBQuantum**

Université de Sherbrooke  
Dr. David Roy-Guay

Intelligent antennas for  
the Internet of Things



**SenZIoT**

University of Alberta  
Dr. Pedram Mousavi  
Dr. Rashid Mirzavand

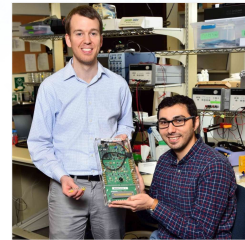
Developing ultra-sensitive  
vibration sensors



**axSense  
Technologies**

Simon Fraser University  
Dr. Behraad Bahreyni

Rapid sensing that targets  
bacterial infections



**Micromensio**

University of Toronto  
Dr. Brendan Crowley  
Dr. Enver Kilinc



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## Work with us: [www.CMC.ca/Spotlight](http://www.CMC.ca/Spotlight)



### Collaborative R&D Projects

CMC can provide technical resources and funding for collaborative R&D projects. Learn more about our current projects.



### Virtual Incubator Environment

A bundle of CAD and simulation design tools and technologies to accelerate startups' design of innovative products.



### Commercial Services

Fabrication, Packaging & Assembly, R&D Products and Services for Industry and Academics-not-in-Canada



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## Virtual Incubator Environment (VIE)

For researchers, start-ups & SMEs

A bundle of design tools and technologies to accelerate your design of innovative products.

- > Design and simulation tools
- > CMC R&D services: prototyping, testing, and packaging
- > State-of-the-art fabrication access: low cost MPW for low volume prototyping
- > Network: industry/academic research in Canada
- > Contact: [sales@CMC.ca](mailto:sales@CMC.ca)



[www.CMC.ca/VIE](http://www.CMC.ca/VIE)



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## Thank you!

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