Annual Report

2024 ✦ 2025

CMC MICROSYSTEMS

Highlights from 2024-2025

Strategic investment of $120 million by the Government of Canada

CMC Microsystems and Innovation, Science, and Economic Development Canada (ISED) announced the launch of FABrIC, an initiative that secures Canada's future in semiconductors and advanced manufacturing.

FABrIC | Powered by Propulsé par CMC

Funded by the Government of Canada
Financé par le gouvernement du Canada | Canada

FABrIC is a crucial step to:

- grow Canada's semiconductor industry,
- develop new Made-in-Canada semiconductor-based IoT products, manufacturing options,
- create a resilient and sustainable semiconductor ecosystem in Canada,
- and build a pipeline of trained talent for Canadian industry.

Launched the first call for FABrIC Challenge projects to stimulate new fabrication processes and develop advanced sensors and other semiconductor IoT products.

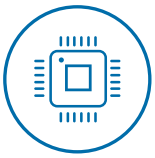
Received 138 Expressions of Interest (EOI) from across Canada – demonstrating the enthusiasm in the semiconductor ecosystem right now. Funding award announcements in spring 2025.

11,000 academic participants across the country.

1,200 Canadian companies from start-ups and SMEs to multi-nationals collaborating and/or hiring graduate students.

765 HQP trained through CMC's program moved to industry in Canada.

305 prototypes were fabricated through CMC's brokered access to international suppliers.



CMC welcomed over 3,000 clients across Canada who are first time users of the services provided through the FABrIC project.

Celebrating its 5th anniversary, CMC's Virtual Incubator Environment (VIE) program has supported over 40 start-ups in Canada.

Hosted the second annual Canadian Semiconductor Symposium in Markham – the signature annual event for the Canadian Semiconductor Ecosystem.

Participated in Ontario's delegation attending Electronica 2024 – fostering key relationships in Germany and Europe, and positioning CMC as a main conduit to highlight Canadian semiconductor capabilities and attract international investment and HQP to Canada.

For the first time in its history, CMC was part of the Team Canada delegation at HANNOVER MESSE 2025 – along with several other organizations representing Canada's semiconductor ecosystem.

CMC led the Canadian delegation at the 27th Annual World Micromachine Summit (MMS) in Australia – and is host to MMS 2025 in Montreal, Quebec.

Hosted Quantum Networking Day – working in partnership with Quantum City and others to highlight opportunities in Alberta and Canada's quantum ecosystems.

Welcome to CMC's new Members in 2024-25:

3R Semiconductor Solutions
Alazar Technology
BlueYard Capital
Ciena Canada
Cyberdefense AI
Economic Development North Simcoe
Embedded Enterprise Systems
ISTOIC Semiconductor
MaxEpic
Particle Flux Analytics
Quantuity Analytics
Silicon Arts Studio
Smart-Agrobotic Technologies
SnT, University of Luxembourg
SQK Inc.
V-Cool Technologies

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Joint letter from the Chair of the Board & CEO

In 2024–2025, CMC continued to strengthen Canada's leadership in semiconductor innovation - expanding services to reducing barriers for researchers, start-ups, and industry partners. As we look to the future of the Canadian semiconductor ecosystem, training highly qualified personnel (HQP) remains a priority. It is clear, in listening to our industry partners across the ecosystem, that providing graduates with essential industry skills is key to building on Canada's competitive advantage. Furthermore, we took a major step to enhancing Canada's capabilities and capacity in advanced semiconductor manufacturing through the launch of FABrIC – a major milestone that will help meet these needs.

FABrIC is a five-year, $223M project to secure Canada's future in semiconductors. FABrIC is lowering barriers faced by Canadian companies and researchers to develop semiconductor-based Internet-connected products and services (IoT) and manufacturing processes to export into a global market. FABrIC will build on the national ecosystem, fostering collaboration between industry, not-for-profits, academics, and government and leveraging Canada's technological reputation, strengths, and existing assets. FABrIC is designed to fill a critical gap in Canada's semiconductor value chain, providing Canadian innovators with the infrastructure needed to move from lab to market efficiently while building domestic capacity and strengthening supply chain resilience.

In this report, you will learn more about our strategic initiatives and core technologies, and how we leverage Canadian expertise to succeed in the global marketplace by developing products and solutions in microelectronics, photonics, Micro-Electro-Mechanical Systems (MEMS), IoT & Edge AI, and Quantum technologies.

This past year has been a remarkable one for CMC with significant accomplishments. We would like to recognize and thank ISED Canada, our supporting partners, and CMC staff for making it all possible. The accomplishments of the past year are the direct result of the dedication, resilience and strength of our entire team.

CMC is helping Canada succeed in the evolving semiconductor industry by lowering barriers to microchip (chip) design and fabrication, expanding access to advanced packaging capabilities through FABrIC, and preparing HQP to thrive in the technologies where Canada already has an edge. Reflecting our mission and core values, CMC is proud to guide Canadian researchers, entrepreneurs, and companies on the path to national and global success.

Thank you for taking the time to learn more about CMC.

Steve Bonham
Chair of the Board of Directors
Teledyne MEMS Edmonton

Gordon Harling
President and Chief Executive Officer
CMC Microsystems

Board of Directors

Mr. Steve Bonham, Chair
Plant Manager,
Teledyne Micralyne, Inc.

Dr. May Siksik, Vice-Chair
Chief Executive Officer,
Canadian Innovation Network

Dr. Vincent Aimez
Vice-President Partnerships and Knowledge Transfer,
Université de Sherbrooke

Dr. Eric Flaim
Director, nanoFAB
University of Alberta

Mr. Gordon Harling
President and Chief Executive Officer, CMC Microsystems

Ms. Lisa Lambert
CEO, Quantum Industry Canada

Ms. Vanessa Little
FinSANA

Dr. Michel Pioro-Ladrière
Director of Partnerships and Strategy, Nord Quantique

Dr. Madison Rilling
General Manager, Optonique

Dr. Jeff Young
Department of Physics and Astronomy, Stewart Blusson Quantum Matter Institute
Advanced Materials and Process Engineering Laboratory University of British Columbia

Mr. Marco Blouin
Board Observer
Économie et Innovation Québec

Officers of the Corporation

David Lynch
Vice-President, Technology
(April through August)

Lynn McNeil
Vice-President, FABrIC

Marie Thiele
Vice-President, Common Services

Peter A. Stokes
Director, Secretary

Shirley Kwakkenbos
Chief Financial Officer, Treasurer

CMC proudly announced appointments to its senior leadership team

Lynn McNeil
Vice-President, FABrIC

Lynn McNeil is a technology industry veteran with over 30 years of experience with SMEs and start-ups in the semiconductor, high-tech and medical device sectors. Throughout her career, Lynn has led industry initiatives in diverse areas including engineering, operations, finance, and supply chain management.

Shirley Kwakkenbos
Chief Financial Officer and Treasurer

Shirley Kwakkenbos, CPA, CA, has over 30 years of experience in senior financial management across a wide variety of industries including start-ups, not-for-profits and manufacturing.

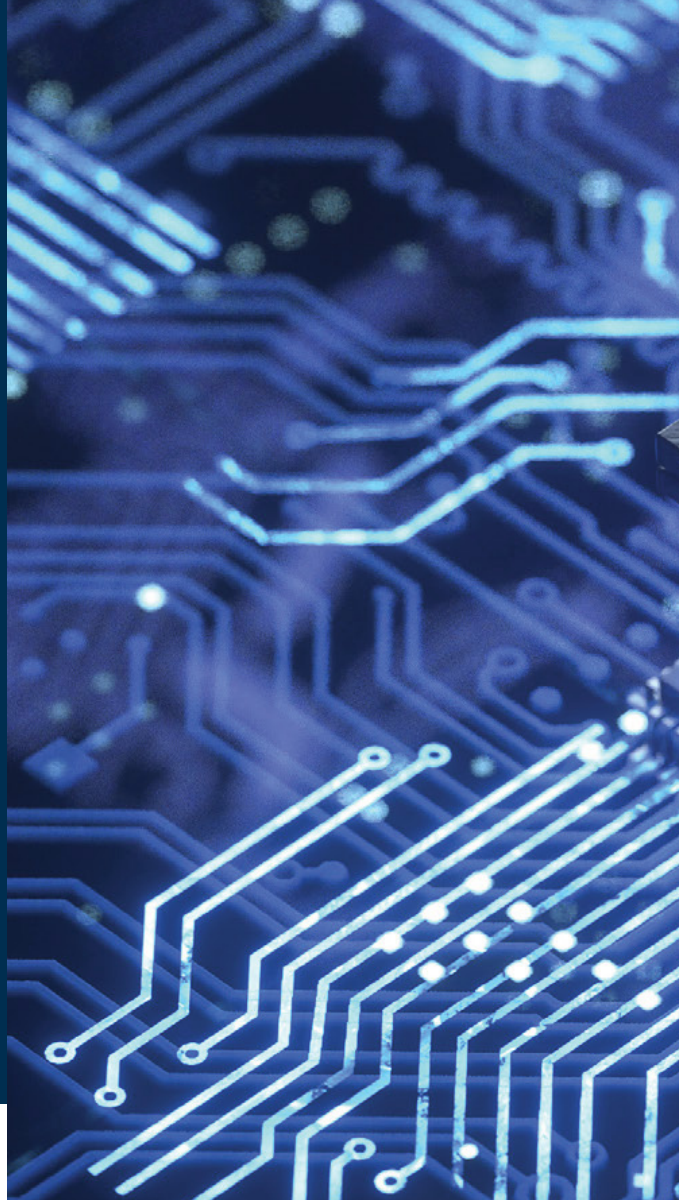
Success Story

Revolutionary technology to make better AR/VR, industrial, automotive and military displays.

Lumatus Semiconductor tech cuts power consumption while improving display quality using MicroLED technology developed at the University of Waterloo. The Lumatus business model is measured and strategic. "The launch of Lumatus and the growth potential are very exciting, but we are learning to walk, then run – licensing patents and intellectual property, providing engineering services for integration of the technology in customer applications – building a strong foundation" says Mario Montana, CEO and Co-Founder. In the next 2-3 years, Lumatus Semi plans to move from a licensing business model to a product company building custom MicroLED displays for OEMs. "The need for MicroLED display technology in certain applications is quite large and we believe that a North American based company stands to uniquely serve customers operating in the military and industrial markets".

Strategic Direction

Looking ahead to 2035



CMC Microsystems

Enabling Canadian Innovation

CMC reduces barriers to technology adoption by creating and sharing research platforms in advanced technologies. The focus is on the core technologies critical to enabling Canada's digital economy. CMC's strategies focus on a semiconductor supply chain ecosystem that:

- enables industry/academic collaboration,
- expands support for industrial R&D leading to commercialization,
- enhances Canadian leadership in manufacturing in photonics and quantum technologies,
- develops a talent pipeline for industry, and
- stimulates companies to develop new products and create jobs in Canada.

FABrIC powered by CMC

2024/25 – 2028/29

Canada's Semiconductor Ecosystem. Accelerated.

Building a vibrant and sustainable Canadian Semiconductor Ecosystem with world-class talent and global impact.

FABrIC is a five-year, $223M project to secure Canada's future in semiconductors. FABrIC is building the national ecosystem and fostering collaboration between industry, not-for-profits, academics, and government. This project, managed by CMC, is leveraging Canada's technological reputation, strengths, and existing assets to lower barriers faced by Canadian companies to develop semiconductor manufacturing processes, create semiconductor Internet-connected products (IoT), and export into a global market.

fabricinnovation.ca

Dual Use and Emergency Technologies (DUET)

A one-billion-dollar 5-year project proposal

The vision: a network of small and medium enterprises (SMEs), large multinationals, Canadian and provincial organizations, academic research teams and foreign partners developing innovative, cost-effective, made-in-Canada dual-use solutions to address military and/or civilian threats.

CMC's DUET proposal includes involvement from partners such as Industrial Technology Benefits (ITBs), Civil Defence authorities, Defence Research and Development Canada, Department of National Defence, and NATO DIANA. DUET projects will be designed to provide training for highly qualified personnel (HQP) and stimulate the development of commercial products that can benefit the public in emergency situations (fire, flood, storms) and provide security for Canada (autonomous sensors/systems, quantum computing and cybersecurity, aerospace, communications security) – contributing to reaching Canada's commitment to spend 2% of GDP on defence activities.

Our Guiding Principle

Benefits to Canada

Semiconductor technologies power Canada's digital economy and shape our future.

From compound semiconductors and silicon photonics to MEMS and quantum devices, Canadian innovators excel in specialized areas where we can have high impact and lead globally.

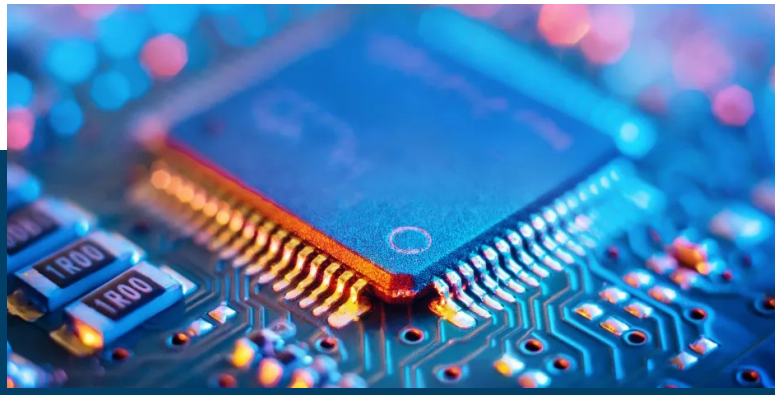
At CMC, we are committed to supporting Canadian companies and researchers innovate in strategic sectors and drive economic growth for Canada.

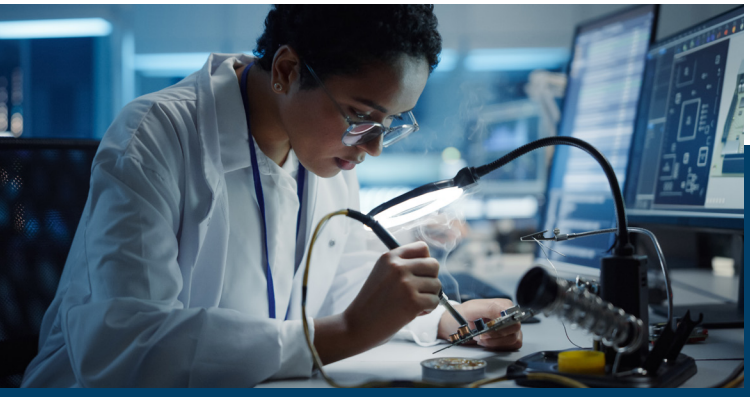
Core Technologies

Semiconductors are the foundation of today's innovative technologies, from advanced sensors and communication systems in everything from smartphones to satellites. CMC's strategies focus on the enabling technologies - microelectronics, photonics, optoelectronics, micromachining, embedded software and nano-scale technologies – that contribute to innovative applications across all industrial sectors.

Compound semiconductors

Most chips are made from a single element – silicon, whereas compound semiconductors combine two or more elements from the periodic table. Compound semiconductors offer superior power and speed and are crucial for next generation applications such as EV power electronics, and 5/6G data transmission. Compound semiconductors allow for faster electronic devices, leading to more efficient optoelectronics (LEDs, laser diodes, lighting, communications), higher-frequencies and power levels (radar and satellite), power electronics (renewable energy), and maximizing power and efficiency in broadband and wireless communications.



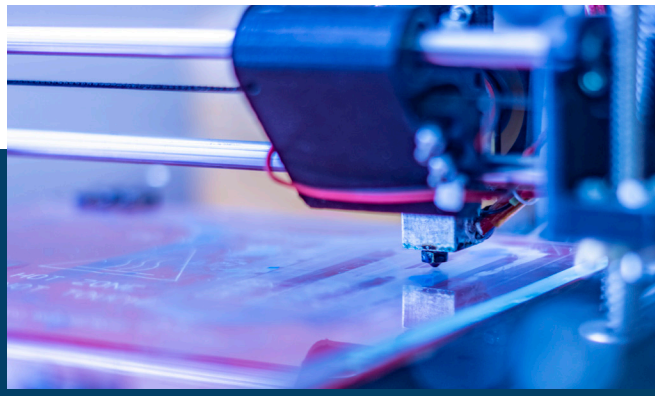


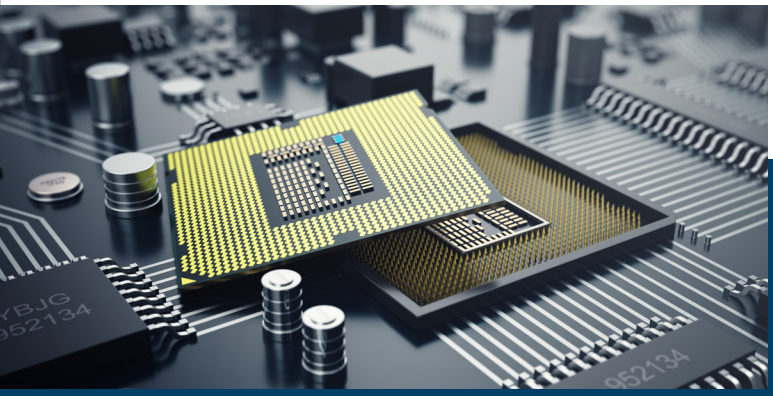
Photonics

Photonics is the science that underpins technologies to generate, control, manipulate, and detect light. It supports a wide range of applications including data communications, optical computing, LiDAR, optical sensing, and renewable energy sources such as high-efficiency solar panels. Photonic integration is key to enabling the growth of data-hungry AI by reducing the energy and environmental cost of moving huge amounts of data around in datacentres. Integrated photonics will also be a critical component for IoT sensors and their connectivity.

MEMS

Microelectromechanical Systems (MEMS) are tiny devices that combine mechanical and electrical components. These miniature systems are usually smaller than a grain of sand and can include sensors, actuators, and other tiny parts. MEMS technology is essential in various everyday applications, from smartphones and cars to medical devices and industrial machines. MEMS sensors, such as accelerometers and gyroscopes, detect changes in motion and orientation. For example, in cars, MEMS sensors contribute to safety features like airbag deployment and electronic stability control.





Quantum

Quantum technologies are emerging technologies that exploit the laws of quantum mechanics to create novel devices and protocols. These new quantum devices may not only perform better than their classical counterpart, but they will also revolutionize fields such as computing, communication, and sensing.

IoT & Edge AI

CMC's world-class tools and industrial capabilities are helping researchers to meet the demand for secure, power-efficient real-time advanced sensors and real-time insights. Semiconductor product development for IoT and the network edge is rapidly growing, fueled by secure IoT hardware, AI, ML and 5G connectivity (wearables, autonomous transportation, precision agriculture, healthcare, climate-smart solutions).

Thanks to Our Funder!

Funded by the Government of Canada
Financé par le gouvernement du Canada

Canada

The FABrIC project is an Innovation, Science and Economic Development Canada (ISED) Strategic Innovation Fund (SIF) investment. FABrIC funding for innovation challenges and services supports both academic research and the commercial application of semiconductor technology in the industry.

Contributors & Partnerships

Building the semiconductor ecosystem through collaboration with industry, not-for-profits, academics, and government to leverage Canada's technological reputation, strengths, and existing assets. These partnerships are critical to realizing CMC's mission and delivering on the FABrIC project.

CANADA'S SEMICONDUCTOR COUNCIL

Canada's Semiconductor Council and CMC Microsystems sign a Memorandum of Understanding (MOU) to foster growth in semiconductor innovation and drive a national strategy for the sector.

SECTR

CMC & SECTR announce a partnership to advance semiconductor training in Canada and address the talent gap in semiconductor design by developing courses delivered through the FABrIC project.

ventureLAB™

CMC and ventureLAB sign a Memorandum of Understanding to stimulate semiconductor innovation in Canada through the promotion and development of complementary programs to support industry.

McMASTER INNOVATION PARK

CMC Joins McMaster Innovation Park to strengthen its support for research and innovation in the Hamilton ecosystem and beyond.

Pasqal

CMC and Pasqal embark on a new quantum collaboration to advance Canada's quantum ecosystem with training options and user cases. Since 2020, CMC has offered quantum services, with a strategy to democratize access to state-of-the-art quantum hardware and software technologies.

AIoT CANADA

CMC and AIoT Canada sign a Memorandum of Understanding to support each other's complementary programs to accelerate growth for startups and emerging firms working in AI, IoT, and semiconductor technologies.

Working with International Partners

CMC convenes international peer organizations – micro-nanotechnology (MNT) organizations – to exchange national insights and initiate semiconductor projects.

Australia

ANFF

Canada

CMC MICROSYSTEMS

Japan

VDEC

South Korea

IDEC

Taiwan

TSRI

USA

THE MOSIS SERVICE

Europe

EUROPRACTICE IC SERVICE

EUROPRACTICE Consortium Partners

Belgium

imec

France

CIME-P

Germany

Fraunhofer

Ireland

Tyndall National Institute
Institiúid Náisiúnta

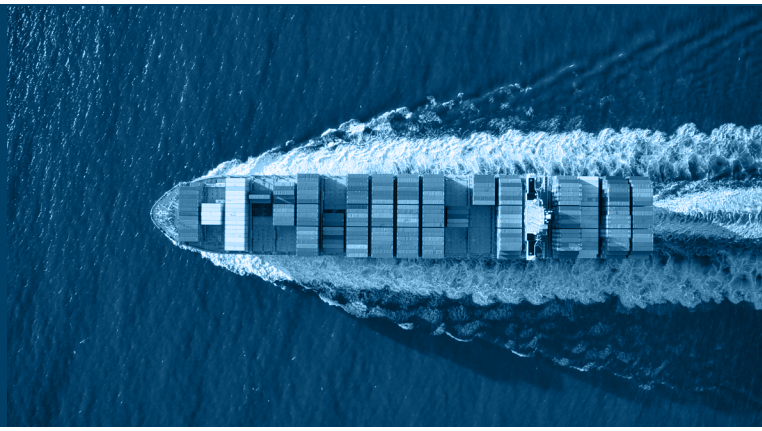
United Kingdom

UKRI Science and Technology Facilities Council

Working with peer-organizations is essential to keep Canadian researchers at the forefront of internationally competitive capabilities – leading to improvements in prototyping microchips and the development of highly trained people.

Global Supply Chain

CMC's advanced technology supply chain of over 100 suppliers in 16 countries has been developed over decades to enable researchers and companies in Canada to access products and services needed to innovate.



North America

- CANADA
- USA

Asia

- JAPAN
- SINGAPORE
- SOUTH KOREA
- TAIWAN

Australia

- AUSTRALIA

Europe

- AUSTRIA
- BELGIUM
- FINLAND
- FRANCE
- GERMANY
- IRELAND
- NETHERLANDS
- SWITZERLAND
- UNITED KINGDOM

www.CMC.ca/CAD

Over 50 Computer-Aided Design (CAD) tools and environments for successful design from over 20 vendors.

www.CMC.ca/FAB

International alliances enable access to over 30 advanced technologies including dedicated and multi-project wafer (MPW) services for clients in industry and academia, in Canada and internationally.

www.CMC.ca/LAB

CMC's expanding industrial program offers tools for test and demonstration, including collaborative and/or contract R&D, IoT and Edge AI, and quantum computing services for commercial product-development projects.

Made in Canada Supply Chain

Strengthening supply chains in Canada

CMC is working to strengthen Canada's security of supply by providing access to products and services from over 50 organizations in Canada. For example:

CAD

- Design Workshop Technologies
- Javelin
- Optiwave

FAB

- 3IT
- Achray Photonics
- Applied Nanotools Inc.
- C2MI
- Celestica
- Dream Photonics
- INO
- NRC-CNRC (NRC-CPFC)
- Teledyne MEMS
- Xanadu

LAB

- CMR Summit Technologies
- COPL Centre d'optique, photonique et lasers
- PINC
- solaxis Ingenious Manufacturing
- thinkRF

MicroFAB Access

CMC is supporting custom microfabrication projects by building Canadian capability through simplified access at reduced costs to 44 open-access facilities across Canada.* Eighty percent of eligible fabrication costs are reimbursed up to a maximum amount of $4,000 for eligible graduate students and post-doctoral fellows at Canadian post-secondary institutions. Examples of user-access facilities at Canadian universities include:

SFU 4D LABS

QNFCF

DALHOUSIE UNIVERSITY
CLEAN TECHNOLOGIES RESEARCH INSTITUTE

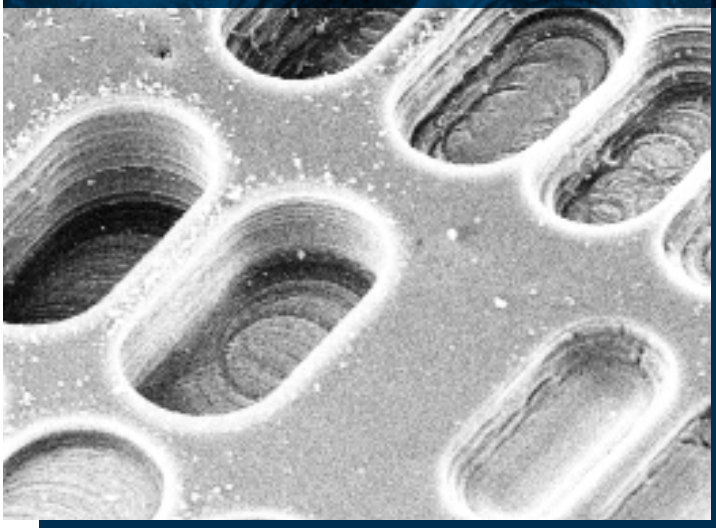
THE nanoFAB
UNIVERSITY OF ALBERTA
Fabrication | Characterization | Expertise

3IT Institut interdisciplinaire d'innovation technologique UdS

TNFC

MADE IN CANADA • FABRIQUÉ AU CANADA

44
MicroFAB Access facilities



MicroFAB Access is now accepting projects with thanks to new funding through FABrIC (https://fabricinnovation.ca/microfab-access). In 2024-25, projects in-progress were supported through to fabrication.

FABrIC

Canada's Semiconductor Ecosystem. **Accelerated.**

FABrIC is a five-year, $223M project to secure Canada's future in semiconductors. The project is an Innovation, Science and Economic Development Canada (ISED) Strategic Innovation Fund (SIF) investment and managed by CMC Microsystem.

The first round of Challenges was launched in September 2024, just three months after the public announcement of the ISED investment. And the response was incredible. **138 Expressions of Interest** (EOI) were received from across Canada with a total value of R&D projects estimated at **$235 million**. This is an indicator of innovation taking place in the Canadian ecosystem and the need for stimulation to drive more market impact. FABrIC Challenge project funding is directed at projects with clear paths to commercialization in strategic end-use applications – from advanced manufacturing, aerospace and defence, agri-, automotive, med[1]tech, mining and natural resources, oceans to telecommunication. The successful projects were awarded in June 2025-26. Accelerating Canada's Semiconductor Industry - FABrIC.

Powered by Propulsé par CMC

Funded by the Government of Canada
Financé par le gouvernement du Canada | Canada

fabricinnovation.ca

"FABrIC provides Canadian innovators with the resources they need to develop next-generation, high value semiconductor technologies, creates good jobs for Canadians, and strengthens Canada's semiconductor industry to build a stronger economy"

–

The Honourable François-Philippe Champagne
Minister of Innovation, Science and Industry

Impact Targets

750	86	215	75	25,000
New or significantly improved products, processes, or services developed	Products, processes, or services commercialized	New intellectual property (IP) applications filed	New companies launched	HQP trained in academia

FABrIC provides researchers and SMEs in Canada with affordable, timely access to state-of-the-art semiconductor design tools (CAD), fabrication and assembly technologies (including access to global supply chains), test and characterization tools, and technical expertise in product development and manufacturing needed to advance their novel product and device development projects.

As part of a commitment to ensure Quantum readiness for Canada, FABrIC delivers relevant programs to equip Canadian companies and researchers with the skills they need to strengthen the industry.

FABrIC Founding Partners

ANT, CMC, 1QBit, Teledyne MEMS, TELUS, Xanadu, Teldio, UBC, McMaster University, University of Toronto, University of Waterloo, Université de Sherbrooke, C2MI, INO

CMC - By the Numbers

Creating a vibrant ecosystem that provides networking, training and collaboration opportunities which enables Canadian industry, NFPs, academics to work together to advance and accelerate the development semiconductor technology and product commercialization and related intellectual property for the benefit of Canada.

The ecosystem includes over 10,000 academic participants and 1,200 companies across the country.

Industrial Impact

6
Start-ups Launched

155
new or significantly improved products, processes, or services developed

365
Patents (applied for, provisional, issued)

35
Licensed Technologies

VIE

In the past 5 years, 43 emerging firms have benefited from our Virtual Incubator Environment (VIE) program. VIE delivers cost-effective tools, technologies, training and expertise to start-up companies to accelerate the design and prototype of their innovative products.

Spin-off Companies

In the past 25 years researchers have reported 244 spin-off companies of which 58% are still Canadian controlled and active. The 10-year survival rate for CMC enabled start-ups is 75%, far better than the typical rate of about 45 percent. Congratulations to the newest ventures:

Advanced MicroTesting	Université de Sherbrooke
Anthea Technologies	University of Windsor
Narval Energy	University of British Columbia
Phase Metron	University of Alberta
SilQ Connect	Université de Sherbrooke
Strivonix	University of Waterloo

Collaboration: A Path to Commercialization

Enabling Industrial/Post-secondary Collaboration

480
Academic collaborations with industry valued at $30M

535
535 university collaborations in Canada and abroad

120
academic collaborations with government and not-for profit organizations

HQP: Meeting the needs of industry in Canada

Cultivating critical skills to secure Canada's highly qualified personnel (HQP) pipeline

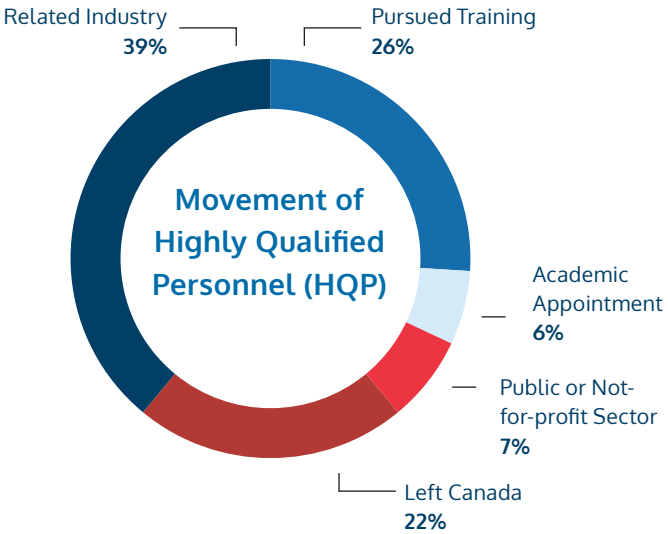
To drive Canada's economy, we need to develop and retain the next generation of skilled innovators. CMC is helping build this foundational pipeline. Alumni trained through CMC programs are becoming tomorrow's leading chip designers, working with more than 1,200 Canadian companies—start-ups, SMEs and multi-nationals—across Canada's high-value sectors.

6,590
Graduate Students

865
Post-Doctoral Fellows

1,345
Research Staff

2,340
Undergrads



CMC Basecamp™, Training and Workshops

In 2024-25 CMC Delivered:

- **Over 400 attendees** in 20 technical workshops, training/upskilling/reskilling courses and webinars
- **Over 125 attendees** in four CMC Basecamp™ intensive training courses in core technologies
- **Over 175 academic prototyping** projects to develop skills and advance industrial R&D projects
- **Over 40 new** or updated community leave behind resources delivered to support skill development and use of products and services

World-class Academic Research Excellence

3,050
publications

85
national and international awards

69
Post-secondary institutions across Canada

705
subscribed professors and their research teams

Leading-Edge Capability

CAD - State-of-the-art software for successful design

85
CAD tool suites available via desktop or through CMC Cloud

8,693
users

254
user guides, design flows, and training materials

FAB - Simplified access to fabricate prototype

Multi-project wafer services, value-added packaging and assembly services and in-house expertise for first-time-right prototypes

- **305 designs prototyped in 2024-25 for researchers and entrepreneurs across Canada**
  Eastern Canada: 1 | Quebec: 71 | Ontario: 68 | Western Canada: 38
- **Designs fabricated in a diverse range of technologies core to semiconductors:**
  - Photonics
  - Quantum technologies
  - MEMS
  - Microelectronics
  - Nanoelectronics
  - Advanced Packaging
  - Characterization
- **Over the past five years**, 1,890 designs have been fabricated, while 3,373 have been fabricated over the last decade in nationally significant applications such as natural resources, clean-tech/energy, agri-food, med-tech/biomed, defence, auto/transportation, and telecommunications.

LAB - Quantum computing services, IoT, edge AI

Tools for test and demonstration – support and expertise

- **Quantum computing services – let CMC run your computational problem!**
- **IoT and Edge AI**
- **Contract R&D / Collaborative R&D – access to CMC's global supply chain and technical expertise**
- **Equipment rental**

Global Customers

An increase in global users generates revenue that supports the cost-effective delivery of products and services in Canada.

World-wide customers included Australia, Brazil, Denmark, England, Germany, India, Ireland, Italy, Japan, Mexico, Netherlands, Turkey, UAE, Uruguay, and the U.S.A.

Success Story

ICSPI Launches Redux AFM Capping Over 15 years of Collaboration with CMC

Waterloo-based ICSPI Corp. started with a vision to make atomic force microscopes (AMF) fast, easy-to-use, powerful – and accessible. ICSPI integrated many of the sensing and movement components required for an AFM to function on a single, tiny MEMS chip. These "microscopic microscopes," as co-founder Neil Sarkar and partners called them, offer the performance of traditional, dishwasher-sized AFMs but at a fraction of their size and cost. This breakthrough led to the 2017 launch of ICSPI's nGauge AFM system – currently installed in over 30 countries, for customers including leading universities, research institutes, and firms from startups to Fortune 500 companies.

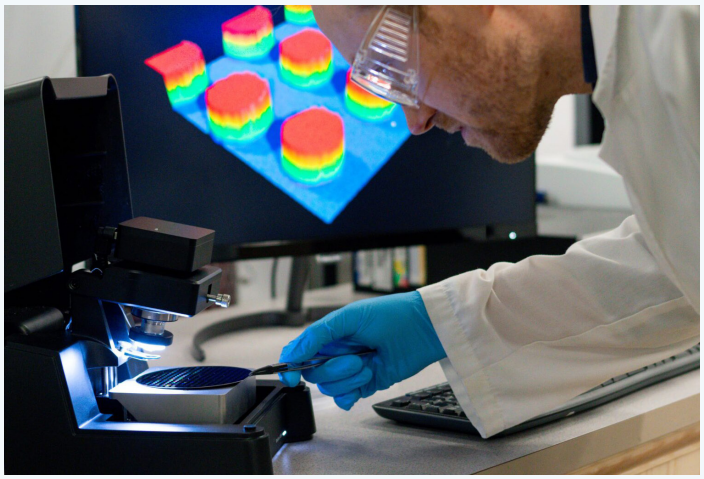


Photo: Courtesy ICSPI

When ICSPI designers and engineers set out to make an AFM-on-a-chip, they were in unexplored territory. "CMC was a huge help for us, especially early on" says David Morris, Director of Operations at ICSPI. "This has been a 10-year journey. CMC supported us the entire way from the initial launch of the company through to commercialization and servicing international clients."

Canadian Semiconductor Symposium

CMC hosted the second annual Canadian Semiconductor Symposium, Canada's premier semiconductor forum. The event held October 9-10 in the tech hub of Markham, Ontario, brought together leaders from established firms, emerging startups, academia, and government from across the country to identify where Canada can excel in the rapidly evolving global semiconductor landscape.

While technology and product development were central to the discussions, the symposium also highlighted the critical roles of venture capital, public policy, and advanced packaging infrastructure in building a vibrant Canadian semiconductor ecosystem.

"Semiconductor innovation in an essential driver for economic growth to benefit all Canadians" said the Honourable François-Philippe Champagne, Minister of Innovation, Science and Industry. "FABrIC initiatives such as the Challenge Calls and the Symposium are helping Canadian businesses and researchers build a resilient semiconductor ecosystem to compete with the world's best."

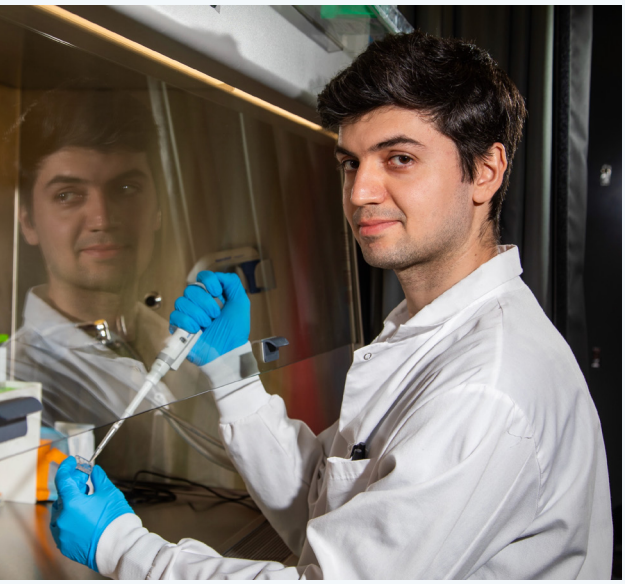
–

The Honourable François-Philippe Champagne
Minister of Innovation, Science

Celebrating Innovation 2024 Award Winners

Douglas R. Colton Medal for Research Excellence

Microfluidic Innovation to Treat Cancer



Dr. Sina Kheiri, NSERC Postdoctoral Fellow at Massachusetts Institute of Technology (MIT), won the 2024 CMC Microsystems Douglas R. Colton Medal for Research Excellence for his work on a new microfluidic device which helps predict cancer cell behaviour and aggressiveness.

Over the course of his research, Kheiri discovered that using treatment models in a variety of shapes and sizes can improve the precision of radiation therapy and drug delivery.

He developed the ReSCUE platform – (Recoverable-Spheroid-on-a-Chip with Unrestricted External Shape), which helps predict cancer cell behaviour and aggressiveness. ReSCUE allow researchers to grow mini-tumours in any shape, which can then be easily removed for analysis to predict their behaviour – and design treatment plans accordingly for better outcomes.

TEXPO 2024

Graduate student competition recognizing novel research with industrial relevance.

Congratulations to our award winners!

Award for Excellence in Microsystems Fabrication

Sponsored by COMSOL

Milad Seifnejad Haghighi

Simon Fraser University

Supervisor: Behraad Bahreyni

A New Anti-Spring Mechanism Used in MEMS Inertial Sensor for Improving Sensitivity

Award for Excellence in Microsystems Fabrication

Sponsored by CMC Microsystems

Jonas Welsch

University of British Columbia

Supervisor: Edmond Cretu

SenCMUTs, Polymer-based Micromachined Ultrasound Sensors for Acoustic Emission Detection

Gayathri Singh Award for Microsystems Innovation by Women

Sponsored by GlobalFoundries

Batoul Hashemi

McMaster University

Supervisor: Jonathan Bradley

Amplification in a hybrid rare-earth Silicon waveguide

Financial Summary

CMC delivers on its mission through the support of several financial stakeholders. In 2024-25, total revenues of $13.4M came from Innovation, Science and Economic Development Canada's Strategic Innovation Fund (ISED-SIF) program and a variety of commercial sources. The drop in revenues results from the partial funding of the FABrIC program and a softening of the international fabrication market. Total expenditures could not be reduced to offset these temporary factors.

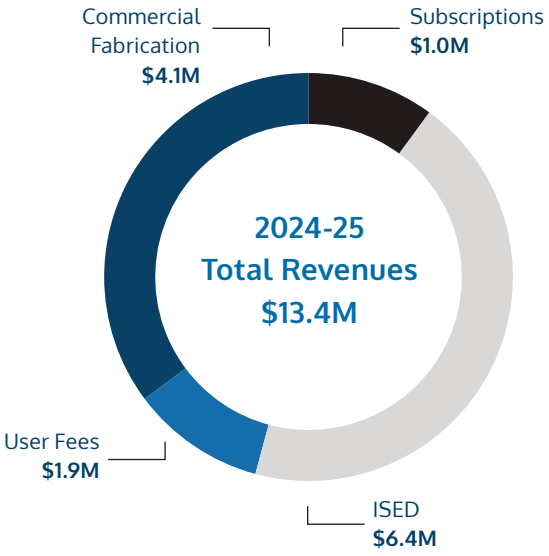
Statement of Financial Position as of March 31, 2025

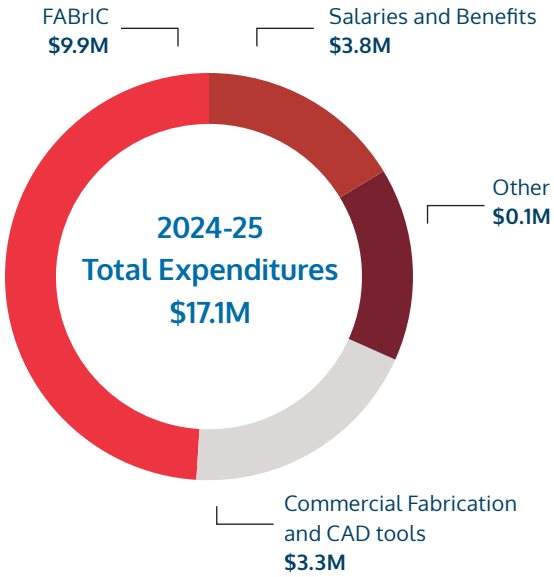
Assets	2025	2024
Current Assets	6,813,823	7,408,562
Long-term Assets	85,080	121,991
	$6,898,903	**$7,530,553**

Liabilities & Net Assets	2025	2024
Liabilities	8,986,209	5,971,022
Net Assets	-2,087,306	1,559,531
	$6,898,903	**$7,530,553**

Statement of Revenue and Expenditure for the Year Ended March 31, 2025

Operations	2025	2024
Revenues	13,419,183	15,566,315
Expenditures	17,066,020	16,420,151
	-$3,646,837	**-$853,836**





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Hamilton I Kingston I Montreal I Ottawa I Sherbrooke

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