

C2MI

A WORLD-CLASS INNOVATION CENTRE

ACCELERATING THE COMMERCIALIZATION
OF NEXT-GENERATION ELECTRONIC PRODUCTS



45, boulevard de l'Aéroport
Bromont (Québec) CANADA J2L 1S8

450 534 8000, x.1003
www.c2mi.ca

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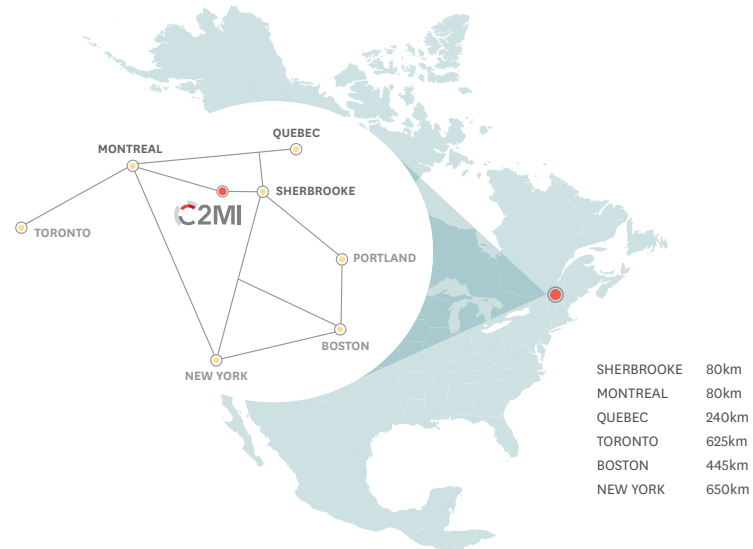
ABOUT THE CENTRE

The MiQro Innovation Collaborative Centre (C2MI) is an international beacon in advanced packaging and microsystems. As a Centre of Excellence, its goal is to allow its members to foster the growth of the microelectronics industry through the accelerated commercialization of market-driven prototypes. More specifically, the C2MI strives to create a global Centre of Excellence for Commercialization and Research (CECR) in 200mm-based microelectromechanical systems (MEMS) and 3D wafer level packaging (WLP) as well as advanced technologies associated with the assembly and packaging of silicon chips in addition to embedded systems.

Forming a unique and vital link between pure research and industry needs, the C2MI environment lays the foundation for research and accelerated commercialization of market-driven prototypes in the following fields and industries:

- » Information and Communication Technology
- » Automotive and Transportation
- » Aerospace
- » Environment and Health
- » Energy
- » Defense

Based in Bromont, Québec, Canada, the C2MI is situated in the Northeastern microelectronic corridor where major investments have been made in recent years. The Bromont area alone boasts over 3000 microelectronic-related jobs while tens of thousands are employed in this sector on both sides of the border.



PARTNERS & FUNDING STRUCTURES

The C2MI was made possible by monetary contributions from its partners: Industry Canada, Ministère du Développement Économique, de l'Innovation et de l'Exportation du Québec (MDEIE), Université de Sherbrooke, the Town of Bromont, industrial partners, and several equipment suppliers.

The C2MI offers new members a distinctive environment where innovation can thrive. Members who join the C2MI are innovation leaders who participate in the Centre's activities, collaborate with other members, and take advantage of knowledge-sharing opportunities between fellow members. Through these activities, the C2MI provides members with opportunities for significant competitive advantage.

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FROM RESEARCH TO COMMERCIALIZATION

Once members have completed their initial research, the C2MI can provide them with the necessary tools and resources to bridge the often daunting gap that exists between university research and commercial production. The C2MI provides a unique infrastructure that allows both small and large companies to finalize the development of their innovative concepts and bring them smoothly to market. Since the Centre fosters an industry-driven environment, the products developed here must be marketable applications for use in the near future. The Centre's strengths are based on a compelling combination of highly qualified, onsite researchers, leading edge equipment, and a state-of-the-art facility.

COLLABORATIVE OPPORTUNITIES

Since the C2MI is focused on building a complete development cycle, it is not limited to producing microelectronic products. It also offers infinite collaboration and business opportunities related to the overall fields surrounding the fabrication of innovative microelectronic devices. These sub-topics include, but are not limited to:

- » **Infrastructure** - sensors, controllers
- » **Services** - logistics, control systems, design, testing, card assembly, smart products
- » **Raw materials** - metallic materials, polymeric materials, heat sink solutions
- » **Equipment manufacturers** - new concepts, new processes, improved productivity
- » **Emerging products** - product designers, embedded system developers & designers, integrated sensors

The collaboration opportunities can lead to members accelerating their own technology roadmaps and even getting to market sooner, ahead of the competition. With all necessary tools and resources onsite, members can benefit even further by taking advantage of being in close proximity to other members who are interested in building innovation alliances, thereby making C2MI both a technology and a networking hub.



IP STRUCTURE

Contributing to the success of the C2MI and its members requires allowing members to maintain ownership of intellectual property (IP) for projects undertaken at the Centre. This is a crucial part of balancing the Centre's role as a research hub and facilitator of the commercialization phase. By doing this, the C2MI ensures members' growth by not interfering in their ability to gather IP.

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FACILITIES

Covering a total area of 15 000m², the C2MI consists of two buildings. Office space accounts for 5 000m², lab space takes up 5 300m², and other services are spread out over the remaining 4 700m². Depending on each member's level of involvement in the Centre, any number of office or lab spaces can be rented for a desired amount of time. In addition, members have the option to make use of the Centre's state-of-the-art conference rooms and event services should the need arise.

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▶ THE **C2MI** IS A MAJOR TECHNOLOGY HUB IN SCIENTIFIC RESEARCH AND EXPERIMENTAL DEVELOPMENT IN THE MICRO-ELECTRONIC /MICRO-SYSTEM INDUSTRY. THE CENTRE PROVIDES AN IDEAL ENVIRONMENT FOR ITS MEMBERS TO THRIVE THROUGH PARTNERSHIPS THAT FOSTER INNOVATION IN A FACILITY THAT IS STATE-OF-THE-ART. IN ADDITION, THE C2MI SUPPORTS ITS MEMBERS THROUGH ALL PHASES OF THE DEVELOPMENT PROCESS, HELPING THEM TO ACHIEVE COMMERCIALIZATION AHEAD OF THE COMPETITION.



TAILORED MEMBERSHIP STRUCTURE

Membership at the C2MI grants users access to a wide range of equipment and technology, and the membership itself is flexible, allowing organizations of varying sizes and specialties to customize contributions and specific benefits derived.

- » Long-term commitment
- » Commitment by project
- » Multiple collaboration activities on different projects
- » Technology showcase

Members who do not have immediate commercialization or production needs may choose to take advantage of our technology networking opportunities.

MEMBERSHIP RESOURCES & BENEFITS

To nurture the growth and success of its members, the C2MI offers several options:

- » Targeted industrial and academic outreach to ensure further collaborations with new members in order to accelerate existing members' roadmaps
- » Shared technology roadmaps and requirements between the members opening additional project and business opportunities
- » Access to a world-class facility and its related resources (N₂, DI water, required gases, etc.)
- » State-of-the-art equipment to ensure a smooth transition into high volume production
- » Access to know-how and expertise to ensure tools and equipment are aiding in the development phase
- » Commercialization funds to support small companies in protecting their intellectual property and in establishing business or strategic plans
- » Support for outstanding R&D tax credits

Members can be confident that when they outgrow the C2MI's production capacity, they will leave the Centre with an effective supply chain network already in place. In addition, the Centre's high volume production-worthy equipment closely mimics higher scale manufacturing facilities, therefore ensuring a smooth transition phase.

Join us in reinventing innovation.