**PRESS RELEASE**  
For immediate release

**Two major players join forces to develop Quebec's photonic and quantum semiconductor industry**

**Bromont, September 7, 2023 - INO, Canada's leading center of expertise in industrial optics-photonics, and the MiQro Innovation Collaboration Center (C2MI), Canada's largest R&D center for electronic systems, have signed a collaboration agreement to enhance Quebec and Canadian semiconductor development and manufacturing.**

The two teams will join forces by sharing their expertise, infrastructure and cutting-edge equipment to enhance the range of specialized semiconductors - commonly referred to as "chips" - and integrated optical and photonic devices required by several disruptive technologies, including:

* the development of artificial intelligence and quantum technologies;
* telecommunication and data storage infrastructure; and
* the development of next-generation sensors, in particular to minimize the effects of climate change or to ensure the safety of people and infrastructure.

**A booming market**

The global semiconductor market is booming. It will grow from 452 to over 800 billion US dollars by 2028[[1]](#footnote-2). Positioning innovative organizations at the heart of the North American semiconductor chain is therefore a promising initiative for Quebec.

"The supply constraints affecting technology companies in recent years have highlighted the dire need to develop a local semiconductor industry, particularly for custom-developed specialized components. Combining our equipment and fostering collaboration between our respective teams will enable innovations to emerge more quickly, therefore accelerating the transfer of the latest advances to the industry," said Alain Chandonnet, President and CEO of INO.

For Marie-Josée Turgeon, "pooling some of C2MI's services and expertise with those of INO is a clear way of carrying out R&D in the most cost-effective way possible, avoiding duplication of investment, and will foster new synergies with an ecosystem of high-tech companies well established in Quebec, including Teledyne MEMS, IBM, Ciena and Teraxion ".

**About INO**

As Canada's largest center of expertise in optics and photonics, INO creates and develops custom solutions to meet the needs of Quebec and Canadian companies in a wide range of industries. A leader in high technology, INO has implemented over 6,500 solutions, carried out 77 technology transfers, and contributed to the creation of 35 new companies employing over 2,000 people. INO's activities are made possible through the ongoing partnerships with the *Ministère de l'Économie, de l'Innovation et de l’Énergie*, and Canada Economic Development for Quebec Regions. [www.ino.ca](http://www.ino.ca)

**About C2MI**

The MiQro Innovation Collaborative Centre (C2MI) serves as a reference in the development and commercialization of components essential to digital technologies, being a transversal vector to all economical sectors and critical to wealth creation. Backed by a world-class infrastructure in the manufacturing fields of microelectromechanical system (MEMS), advanced assembly of semiconductors, MEMS, compound semiconductors and electronic systems, as well as printable electronics, C2MI is at the heart of all industrial activity sectors integrating components essential to the use and deployment of digital technologies. The Centre is strongly committed to be a unique model of collaboration where synergy between industrial and academic partners is necessary, even essential, to the development of new generation products. Visit: [www.c2mi.ca](https://can01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.c2mi.ca%2F&data=05%7C01%7CMathieu.Bilodeau%40ino.ca%7C5bc7a17a45664bf2bc8108dbab1f3bd0%7C04225a60d9a0456fae3bf086c6de0f24%7C1%7C0%7C638291922993165965%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=O7SwNla%2Bv8V5dJOGhnOIFk%2FCZXu2B0yP4ovjxftpZYY%3D&reserved=0)

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1. Source: Invest in Canada [↑](#footnote-ref-2)