

Major Expansion at the Quebec Metallurgy Center:
Research Capacity Consolidation
on the Development of Metal Powders

Trois-Rivières, April 1st, 2019 – The Quebec Metallurgical Center (CMQ), affiliated with the Trois-Rivières College, announced today the addition of a new infrastructure dedicated to the development of metal powders used in additive manufacturing (3D printing), thermal spraying and powder metallurgy for a total investment of \$ 8.7 million (6.5 million US \$). This expansion is financed by the Quebec provincial government, the federal government and the Trois-Rivieres College. Contributions from Tekna, Rio Tinto and the City of Trois-Rivières complete the investment.

An area of 8,600 square feet will be added to the existing 35,000 square feet. This will allow to house a plasma and a gas atomisers to create a world-class powder metallurgy development hub. These specialized equipments will be acquired to develop new aluminum, titanium, nickel, steels and other advanced alloys. The investment will also allow the revamping of the facade, adding a conference room and doubling the office space. The research center will serve clients from all over the world.



This project is also made possible by a partnership with Université Laval's Powder Metallurgy Laboratory and the École Polytechnique de Montréal's Center for Microscopic Characterization of Materials (CM)². This academic partnership will allow, in addition to the training of college student, the implication of graduate students from both universities.

Canadian companies will be encouraged to pursue privately funded R&D projects or apply for grants with the Natural Sciences and Engineering Research Council (NSERC) or the Fonds de recherche du Québec - Nature and Technology (FRQNT). International collaborations will either be private or supported by the Quebec Ministry of the Economy and Innovation's Support Program for Research and Innovation Organizations (PSO).

Since 1985, CMQ's focus is to support research and the technological development of manufacturing companies in the metallurgical sector. CMQ provides an incomparable knowledge base on metallic and ceramic materials as well as on metallurgical processes.

cmqtr.qc.ca/en - [video presentation](#)