



Application Guidelines

IMII's Demonstrating Innovations Program supports technology development, demonstration, and deployment. It is designed to help make innovative solutions available to the minerals industry on a pre-commercial basis.

Projects should have a term of less than two years and are eligible for up to \$1.25 million in funding over two phases to advance the technology down the path to becoming commercially available to the minerals industry.

The objective is to see a solution developed, demonstrated and available for use by the minerals industry. The technology may demonstrate improvements for operations or solve an advanced issue with practical application for the minerals industry.

Innovations in this program are ideally undertaken by organizations with a mandate for innovative technology development, or by supply chain partners who share IMII's commitment to innovation. The program allows for piloting or demonstrating new products with IMII and its minerals company members as strategic partners.

The Program looks at two key areas:

- New product research and development, leading edge design, engineering, and prototype development, and/or advanced product testing and refinement
- Technology optimization critical for market acceptance, manufacturing of a prototype for demonstration testing of a prototype in an operational environment, and/or results assessment/verification of technical data

Key elements to a project could include:

- Prototype ready for demonstration at a pilot scale or in an appropriate operational environment
- Technology qualified through tests and demonstration
- Successful deployment in an industry setting
- Innovation utilized in operational conditions

Projects are supported by IMII member's industry experts and the IMII team. Results industry is looking for include:

- Technical feasibility has been demonstrated
- Prototype met technical performance criteria
- Scale up is feasible
- Technology is superior in the market
- Technology production/commercialization partner identified



Completing the Application

Note that all sections are required to be completed.

The total length of the proposal should not exceed **4 pages** including the cover page.

Proposal ID:

Please do not complete this. A proposal ID will be provided upon the submission of your application and carry forward should IMII proceed with a project with you as a partner.

Date of Submission:

Enter the date you submit the document to IMII.

Title of Proposal:

Please select a short title that clearly identifies what the proposal is about. This title should be able to be carried throughout the term of a project.

Contact Information:

Please provide your full contact information.

Application Details:

Proposal Category:

Please select one category from the list on the application that best meets your proposal.

Funding Requirements:

Please note that a minimum of 25% of the overall budget must be provided by the proponent and sources outside of IMII. This can be cash, in-kind of a tangible value, or the raising of funds from other sources such as government programs (e.g., Innovation Saskatchewan's Saskatchewan Technology Fund, NRC-IRAP, Sustainable Development Technologies Canada) for the project. In-kind can represent salaries, resources, materials, or services. Expenses incurred prior to the project will not be accepted.

Enter the total cash budget, IMII funding requested, your organizations' cash contribution, and other anticipated cash contribution (e.g., government funding program). Enter the total in-kind budget, the estimated value required from industry (IMII members), the total in-kind contribution from your organization, and the total in-kind from supporting organizations.

Project length will be the total time to accomplish the project.



Supplemental Pages:

In 2-3 pages, please provide the following details:

1. Organization and Project Team:

- a) **Organization and History.** Describe your organization and its history (e.g., how long it has been in existence, growth over time, areas of specialization, presence in Canada).
- b) **Core Project Team.** Please describe the core project team who are directly working with you to deliver this project. Discuss their capabilities, related experience, and resources.
- c) **Supporting Organizations.** Please describe the supporting organizations that are providing indirect support such as cash, in-kind, or resources to the project. Resources can be seen as intellectual property, data, equipment, expertise, etc.

2. Project Concept and Methodology:

- a) **Statement of Need.** Describe the industry problem/need you believe your technology potentially solves.
 - Consider why this is a problem for IMII members.
 - Consider the extent to which the industry will benefit from the scientific, engineering, or technical advances, or the innovative techniques, processes or products that will be explored in the proposed project.
 - Describe the economic, environmental, social, or safety potential of the innovation.
- b) **Methods and Strategy.** Describe the current context and proposed methodology used to demonstrate the technology.
 - Consider the research or technology challenge to be demonstrated through the project.
 - Describe the novelty of the technology with respect to advancing the state of the art compared to commercially available technologies.
 - Describe your approach to proof of concept or technological advancement.
 - Briefly outline the underlying challenges, the scientific issues or engineering issues, research problems or technical complexities associated with solving the industry problem.
 - Describe the start point and expected endpoint to the project.

3. IP and Commercialization.

- a) Confirm that you are the owner of or have rights to the IP you are proposing. Advise if you have an IP strategy.
- b) Describe the path that allows you to work with industry on commercializing your technology.
- c) Describe your current TRL level and what level this project will advance your technology to.

Applications should be submitted to Jared Galenzoski @ RDprojects@imii.ca.