



The International Minerals Innovation Institute (IMII) was established in 2012 to support the Saskatchewan minerals industry through *innovations that matter to mining*.



Our **vision** is to make Saskatchewan home to the world's most innovative and sustainable mining and minerals industry.



Our **mission** is to be an industry-led catalyst, driving innovation and sustainability in minerals sector research, development, education and skills-training.

In its first 5-years, IMII has sponsored 15 industry driven projects, valued at nearly \$15 million, and in so doing has leveraged more than \$6 million in project funding from outside of its mineral industry and provincial government members.

**PROJECT HIGHLIGHTS:**

**EDUCATION AND TRAINING**

- ➔ The return of mining engineering education to the province, with the establishment of Mining Engineering Options at the University of Saskatchewan.
- ➔ The creation of the Northlands College Mine School in La Ronge.
- ➔ New programs are offered at Carlton Trail, Cumberland and Parkland Regional Colleges in response to industry demand.

**RESEARCH AND DEVELOPMENT**

- ➔ A major study into industry safety engagement and culture by applied researchers at the Saskatchewan Polytechnic and University of Saskatchewan.
- ➔ The launch of the Mining Materials Research Cluster in collaboration with the Universities of Regina and Saskatchewan, and researchers at the Canadian Light Source to research and develop new solutions for salt corrosion in the potash industry.



**WHERE IS IMII GOING?**

On the following page, IMII outlines five high-level goals, supporting strategies, and desired business outcomes that would signify success over the next three years.



GOAL



STRATEGY



OUTCOME

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| <p>1. Position Saskatchewan’s minerals sector as one of the most sustainable within Canada’s mining and minerals industry.</p>     | <p>Embed the Mining Engineering Options in the College of Engineering at the University of Saskatchewan.</p> <p>Enable pathways for graduates from technical schools to enter an engineering program at a Saskatchewan university.</p>  | <p>Increased numbers of mining graduates and highly qualified persons. Enhanced reputation for Saskatchewan as a mining centre.</p> <p>Increased number/proportion of mining-experienced professionals in the industry.</p>   |
| <p>2. A minerals industry that is among the most innovative in Canada.</p>   | <p>Develop a long-term innovation strategy for the industry in the province.</p> <p>Enhance the mineral sector’s innovation ecosystem.</p>  | <p>Sustainable technology adoption, knowledge and people development-driven by industry.</p> <p>Greater leveraging of government funding agencies; greater innovation success rate; greater member innovation capture rate and greater likelihood of commercialization.</p>   |
| <p>3. Accelerate the adoption of innovative education and training – improving diversity and inclusion in the minerals sector.</p> | <p>Support application of innovative approaches, technologies, curricular enhancements, course design, and assessments for education and training.</p> <p>Support innovative technical training mechanisms that are up-to-date with existing operations, and preparatory for next generation mines and mills.</p> | <p>Fewer gaps in talent available to the minerals industry.</p> <p>Greater relevance of graduates to industry needs.</p> <p>Enhanced knowledge, people development and quality of partners.</p>   |
| <p>4. Build new minerals sector research and development capacities in Saskatchewan.</p>   | <p>Develop scalable capacities in research by leveraging the initial Mining Materials Research Cluster investment.</p> <p>Identify new opportunities and partners to develop current R&amp;D projects into commercialized innovations.</p>  | <p>Enhanced technology development and increased cost-efficiency of R&amp;D investments.</p> <p>Increased technology, knowledge and people development, increased cost-efficiency of R&amp;D investments, and new economic, social and environmental returns.</p> <p>New companies created and/or improvements in supply chain.</p> |
| <p>5. Increase “return on innovation investment” to IMII funding members.</p>  | <p>Improve processes for moving ideas down the path to commercialization and into innovations used by industry.</p>   | <p>Increased innovation development and increased economic, social and environmental returns to the industry and the province.</p>  |

### BUILDING ON IMII’S STRENGTHS & OPPORTUNITIES

IMII remains committed to *innovations that matter to mining*. New funding models will support research into near-term commercialization and long-term transformative innovations, in addition to applied research. Deployment of new products and beneficial processes to the minerals industry will also be supported, as well as education and training to enhance inclusion in the workforce.