

INNOVATION  
EDUCATION  
TRAINING  
DIVERSITY  
RESEARCH & DEVELOPMENT



INTERNATIONAL  
MINERALS INNOVATION  
INSTITUTE

2023 ANNUAL REPORT

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# Executive Director's Opening Message

Dear Friends:

2023 saw IMII reach a new milestone in innovation projects and initiatives on behalf of its minerals industry members with 65 completed or underway at year's end and a total value of more than \$25 million. In addition, at year's end IMII's Board of Directors approved five new research, development and demonstration projects to start in 2024.

I wanted to highlight this focus on projects and initiatives for our minerals industry members as tangible evidence of how IMII strives to bring its vision to life and fulfill its purpose as an innovation steward in strengthening the industry's sustainability and competitiveness.

I want to thank our principal minerals industry members – BHP, Cameco, Mosaic and Nutrien for their participation in multiple projects with our project partners, their continued support for DEMOday, and for helping us reengage with our post-secondary and research institution members in IDEATE 2023. The Government of Saskatchewan's continued support, through Innovation Saskatchewan, is also appreciated.

I also want to recognize valued partners in two initiatives that saw IMII's funding conclude in 2023 – the creation of the Industrial Concierge with SIMSA and the establishment of the Digital Integration Centre of Excellence (DICE as it is more commonly known) at Saskatchewan Polytechnic. IMII is confident these additions to our innovation landscape will serve the industry well for many years.

2023 also saw IMII welcome a new minerals company member in Fission Uranium, and a new Board Chair in Steve McLellan, the former CEO of the Saskatchewan Chamber of Commerce.

Sincerely,



Al Shpyth, Executive Director

# Board Chair's Opening Message

Dear Members:

It is with great pleasure that I bid you welcome to IMII's annual report for 2023, my first as board chair.

In meetings with members and provincial government representatives this past year, I would often state that I was aware of IMII from my time as CEO of the Saskatchewan Chamber of Commerce but that I was not aware how much good work our organization's small staff accomplishes. I have come away with a great appreciation of their commitment to the success of the minerals industry in our province, and to creating projects, programs, and partnerships that matter to mining.

I have been particularly impacted by meetings with the students who have received one of IMII's scholarships – be it the iMpowered Scholarship or Mining Futures Award. These students have the potential to not only be valuable employees but also great ambassadors for the IMII and the minerals industry.

As your board chair, I'm looking forward to what will be accomplished in 2024, and what will come next as IMII is renewing its strategic plan for the next three years.

Sincerely,



Steve McLellan, Board Chair



# EDUCATION & TRAINING PROJECT HIGHLIGHTS





# Activating Allies

Activating Allies, led by Ph.D. candidate Jocelyn Peltier-Huntley, is a 4-year, interdisciplinary and collaborative research project to learn how allies are activated to develop a practice of inclusion and test interventions which support the development of active workplace allyship towards women, Indigenous peoples, visible minorities, persons with disabilities, 2SLGBTQIA+ people, and others.

Through the Active Allies course, participants improved their awareness of inequities that five equity-deserving groups may face in workplaces and increased their confidence with discussing concepts related to equity, diversity, and inclusion (EDI) in their workplaces. The intersectional approach to allyship taught through the course supported a psychologically safe learning environment. As a result, participants were having more frequent workplace conversations about EDI following the course. Additionally,

participants indicated greater intentions to speak up using Mine Shift's DIGGER bystander intervention if they experienced or witnessed inequities (such as microaggressions, discrimination, or harassment). Participants committed to continuing their allyship practice by outlining personal continuous learning plans.

In 2023, the project engaged 76 participants from the Saskatchewan mining industry to develop a practice of inclusion, also known as allyship, in a 4-week blended learning course.

**To learn more about the Active Allies course, watch this trailer <https://youtu.be/MLPAkvYTA-s>.**

**For more information on the Activating Allies research project and its findings, visit <https://www.jocelynpeltierhuntley.ca/activating-allies-phd-project>.**



Jocelyn Peltier-Huntley

## Quotes from participants on how the Active Allies course impacted them:

*"Most impactful was the group discussions. While the topics to be studied ever week were the conversation, it was interesting to hear others perception or learnings from the topics and gain new perspectives."*

*"I need the education piece to feel comfortable enough in my knowledge to have discussions with others."*

*"Seeing people in management positions taking this course seriously to pass knowledge down to their employees [was the most impactful aspect of Active Allies]."*

*"[Active Allies] helped me understand that I was not the problem, the harasser was."*





# Virtual Reality training joins DTIPM

*“Digital Transformation in Potash Mining Construction has definitely built my confidence when heading into the work field! The support from classmates and the organization was unreal. I took a lot from this course and definitely recommend to others who are looking for an amazing opportunity!”*

## Success story

A student of the DTiPMC program running in Saskatoon joined the program but lacked confidence in a few areas including her abilities to operate machinery given her lack of experience. Despite her worries, she decided to explore the virtual reality heavy equipment operating module and within minutes her confidence was lifted and she had a huge smile on her face. Through utilizing the highly realistic and interactive module, she quickly realized she had the aptitude to operate the machinery. The module mirrors the controls of operating that piece of equipment in real practice which allowed her to develop a skillset she can utilize as she continues in her career journey. Following this experience, the student was very excited about pursuing a career in machine operation. The student is set to join 2NationsBird Construction for the practicum component of the program who has a large work scope that includes equipment operations.

*“The DT course could open lots of doors for your future.”*

*“The VR was very important to help us learn how to be safe underground. Not only was it very helpful in the class, it was also very exciting to use and made coming to class enjoyable”*

*— Sky Starr-Goforth – graduate of the DTiPM program in Cowessess 2023 Edition – current Mosaic employee*



## Stats:

- 2 editions ran in 2023
- 18 students
- 5 working in industry / 9 working in trades
- The utilization of the IMII funded virtual reality has revolutionized the DTiPM program in terms of pre-employment education and career preparation. As the mining industry continues to evolve, investing in innovative educational technologies like VR will be paramount to nurturing a skilled workforce capable of driving sustainable growth and innovation. As potash mining continues to evolve and implements innovative technology practices, our team will continue to adapt and best prepare our student for these operational tactics in the classroom.

## Impact on Career Preparation

The utilization of VR headsets, utilizing a potash-specific safety module and career experience platform resulted in the following benefits:

- **Enhanced Understanding:** VR simulations provided students with a holistic understanding of mining safety procedures. The safety modules required students to pass exams which helped to build confidence in their understanding of safety protocols.
- **Skill Development:** Hands-on engagement with VR simulations facilitated the development of some foundational skills as it relates to mining. For example, various modules required the students to operate large pieces of machinery, utilizing real-life controls (i.e., using joysticks, operating virtual drones, etc.).
- **Risk Mitigation:** The utilization of VR headsets allowed students to familiarize themselves with potential hazards and risks associated with mining activities. By experiencing simulated emergencies and safety protocols, students were better equipped to identify and mitigate risks in real-world scenarios, prioritizing their safety and well-being.
- **Career Readiness:** Through immersive VR experiences, students gained a better understanding of what their specific career paths may look like. In addition, the experiences that VR offers gives students a leg-up as it relates to understanding essential procedures that are required to work within a mining setting.







# Building Mineral Literacy with STEM

Building Mineral Literacy with STEM was a two-year pilot project lead by Mining Matters in collaboration with the Saskatchewan Mining Association, Bridging Concepts, University of Saskatchewan and the Ontario Tech University. The project saw the development of 40 Deeper and Deeper Saskatchewan Classroom Resources Kits tailored to elementary and intermediate learners with regional mining content and indigenous perspectives and Traditional Knowledge. Virtual and in-person instructional development workshops were provided to educators to support the adoption of these resources in the classroom. The delivery of three onsite Mining Rocks Earth Science Programs targeted for high school students and their teachers was also an objective of the program.

## **Over the 2022 and 2023 school years 553 students participated in programming.**

*"It was great to be invited and to be involved with Mining Matters to develop the Saskatchewan Deeper and Deeper classroom resource. In the spirit of reconciliation, it was an honor to collaborate with the Mining Matters Manager of the Education and Outreach Programs. Communication and consultation were always open minded, responsive, and quick. I am proud that Mining Matters reached out to foster awareness to transmit traditional language and, in this case, Cree language and culture. It is meaningful that an organization such as Mining Matters is*

*developing materials and activities for the classroom that include Indigenous perspectives. The awareness to include traditional knowledge and perspectives demonstrates the intent to honor the act of reconciliation."*

*— Indigenous Educator, Sharon Meyer*

In total,

- 8 teachers and 2 informal educators participated in the training workshops.
- In 2021-2022, 5 teachers from 4 schools in 5 Divisions, delivered lesson plans to 151 students in grades 3-8 (107 grades 4-6; 24 grade 5; and 20 grades 7 and 8).
- In the 2022-2023 academic year, 10 teachers from schools in 6 Divisions, delivered lesson plans to 382 students in grades 4-12 (191 grade 4; 25 grade 5; 80 grade 7 and 8; and 17 grade 11 and 12), including one French class.
- An additional 27 grade 4 students were reached using lesson plans lent to a teacher who did not participate in the training.

From this data, it is estimated that each kit will reach a minimum of 35 students through teacher delivery. With 40 kits implemented, it is estimated that 1,400 students will be reached in the first year of implementation. The kit is designed to be used year after year, therefore the impact will continue to grow in subsequent years.

**Paul Stinson** – Middle Years Teacher - Sun West Distance Learning Centre, Sun West School Division

*"I thought that (Deeper and Deeper Saskatchewan) was an amazing resource. I was able to share resources with individual students. I hope to work updating our current online Science 7 offering in the Earth's crust unit in the future and am looking for ideas to combine hands-on opportunities and virtual/online learning for students"*

**Russell Munkler** - Grade 3 Classroom Teacher, Greystone Heights School, Saskatoon Public Schools

*"The Deeper and Deeper resource was used by grade 4 and grade 7 students in our school. The lessonplans were thorough and well connected to our curriculum. I especially appreciate the professional development that went along with the resources. There is so much "stuff" out there, it is really helpful to have someone walk you through a resource and help you find the best parts that you can use in the classroom."*

**Kortney McDonald** - Grade 5 Teacher, W. P. Bate Community School, Saskatoon Public Schools

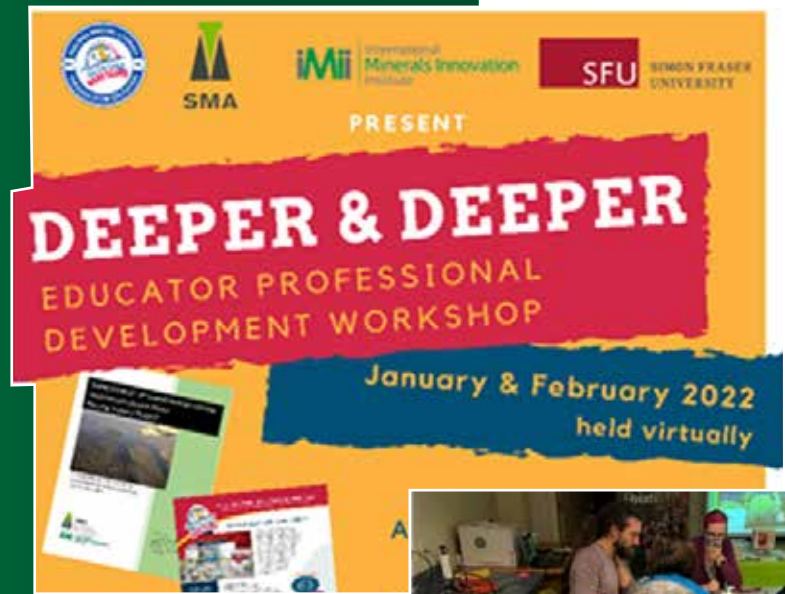
*"The Deeper and Deeper Resource has made a huge impact on my lessons and my student's learning. The lesson plans and activities are age appropriate, curriculum-based, engaging, and filled with lots of hands-on materials. As a teacher, it can be difficult finding hands-on lessons, at a low cost, with limited prep work. This resource has everything needed and it makes my students excited to learn about the world around them."*

**Morag Wagner** - Math and Science Teacher, Star City School, North East School Division

*"I found the physical kit helpful for myself and my students, and was also able to share parts of it with others in my building and neighboring schools. The kids love all things hands-on, and the kit gave me resources that I would never have put together myself. The resources that were shared with the kit were authentic, well done, and easy to use. I found the entire program very worthwhile!"*

*"I liked the whole program because there were lots of hands-on activities instead of regular classroom learning."*

- Grade 9 Student, Tommy Douglas





# STEM+

The IMII-funded STEM+ initiative played a crucial role in enhancing student engagement, providing enhanced curricular and co-curricular career-readiness experiences.

The STEM+ initiative combines coaching and culturally informed cohort mentorship, drawing inspiration from the Canada Council on Learning's Holistic Lifelong Learning Model (2011) and experiential practices from Indigenous Student Achievement Pathway's (ISAP) STEM Learning Communities, to enhance academic success and career readiness for Indigenous students in STEM fields.

- 129 students registered in Fall Term 2023 ISAP Learning Communities: rising to 143 in Winter Term 2024
- 47% of ISAP students declared an interest in STEM degree or professional STEM pathways
- Success in Math 102 (pre-calculus) increased by 120% between fall 2022 and fall 2023
- The ISAP team organized engagement opportunities, reaching > 200 prospective Indigenous students from urban and rural high schools
- STEM+ culturally grounded cohort mentorship circles will support 24 students engaged in career experiences, internships, undergraduate research, and summer positions May-August 2024



**After SRC and NSRC lab tours:**

*"The biggest impact for me is being able to see myself working in research environments and learning about the countless opportunities for work in the field."*

**After the SRC tour:**

*"I started trying to find more information on diamond processing; it was interesting to see the old and new techniques used. Also, how they are both efficient in their own ways to this day!"*

STEM+ Feedback surveys and participant interviews indicate that participating in STEM+ co-curricular activities has had a strong impact on students' confidence regarding:

- pursuing a STEM career (80% much more confident; 20% more confident);
- my ability to complete post-secondary STEM courses (70% much more confident; 20% somewhat more confident; 10% no change in confidence);
- applying new information from the event to my STEM coursework (60% much more confident; 20% somewhat more confident; 20% no change in confidence).

Engaging with the STEM+ Coach in one-on-one meetings, they also felt encouraged to:

- consider a career in STEM fields;
- communicate their academic and STEM career goals to personal and cultural mentors;
- enroll in further post-secondary STEM courses;
- and seek additional resources and/or supports for pursuing a STEM career.

# SCHOLARSHIPS

## iMpowered scholarship

The iMpowered scholarship supports women, Indigenous students, mature students, and new immigrants on their education journey towards a career in the minerals industry in Saskatchewan. The program is part of a commitment made by the minerals industry to build a workforce that is representative of the communities in which we operate.

### In 2023, ten \$12,500 scholarships were awarded to:

- **Dylan Bauman**, Civil Engineering, University of Saskatchewan
- **Mario Gonzalez Inglés**, Environmental Engineering, University of Saskatchewan
- **Jade Saunders**, Geological Engineering, University of Saskatchewan
- **Edison Macatangay**, Instrumentation Engineering Technology, Saskatchewan Polytechnic
- **Lauren Klassen**, Civil Engineering – Masters of Science – Thesis, University of Saskatchewan
- **Martin Molina**, Chemical Engineering, University of Saskatchewan
- **Mila Szautner**, Geological Engineering, University of Saskatchewan
- **Ruben Corlan**, Electronic SySTEMs Engineering Technology, Saskatchewan Polytechnic
- **Erica Anaquod**, Environmental Engineering Technology, Saskatchewan Polytechnic
- **Damiete Bob-Manuel**, Electrical Engineering Technology, Saskatchewan Polytechnic

**This year's recipients reflect not only this commitment but also the diversity of the educational pathways to careers in the minerals industry.**



L-R  
*Mario Gonzalez Inglés,  
Edison Macatangay,  
Martin Molina,  
Jade Saunders,  
Mila Szautner,  
Ruben Corlan,  
Lauren Klassen,  
Dylan Bauman*



*Back Row L-R: Steve McLellan – IMII, Tanya Smith - BHP, Craig Funk – Nutrien, Jeremy Breker – Cameco, Murray Schultz – Mosaic, Al Shpyth – IMII*

*Front Row L-R: Martin Molina, Edison Macatangay, Mario Gonzalez Inglés, Jade Saunders, Mila Szautner, Ruben Corlan, Lauren Klassen, Dylan Bauman*



*L to R: Edison Macatangay, Damiete Bob-Mauel, Erica Anaquod*

# MINING FUTURES AWARD – Mila Szautner

The Mining Futures Award recognizes undergraduate students enrolled in one of three mining options – chemical, geological, or mechanical engineering at the University of Saskatchewan College of Engineering.

The recipient for the 2023/2024 academic year is Mila Szautner. In her third year of Geological Engineering with the Mining Option at the University of Saskatchewan, Mila has competed twice in the Canadian Mining Games on the USask team and had the incredible opportunity to act as a co-captain for the 2024 competition. She is also an active member of the Geological Engineering Student Society at Usask and has been an executive member since 2023.

“I am very honored and grateful to receive the IMII Mining Futures Award. Receiving this award not only provides valuable financial support for my educational journey but also validates and encourages my efforts in pursuing a career in the mining industry. As a woman in a traditionally male-dominated field, this award’s impact extends beyond my own education; it serves as an example for other women considering careers in mining and engineering and shows that our contributions are valued and supported.”





# RESEARCH & DEVELOPMENT



# Acceleware - Exploring radio frequency energy to dry potash and other minerals

This IMII project explored a potentially novel approach to drying mineral products with radio frequency (RF) energy from a clean tech inverter developed by Acceleware ([www.acceleware.com](http://www.acceleware.com)). The concept could see a commercial solution with the capability to reduce facility emissions when compared to technology currently used in the minerals industry.

The assessments and studies conducted as part of Phase I showed that there is enough potential for this concept to be

scaled up that it is worth considering additional simulations and design iterations to refine the initial simulations. The simulations showed that radio frequency (RF) can potentially dry mineral ore to desired levels.

The analysis suggests that EM heating technology could be used effectively to dry moist potash and potentially reduce in energy input by 33 – 50%.





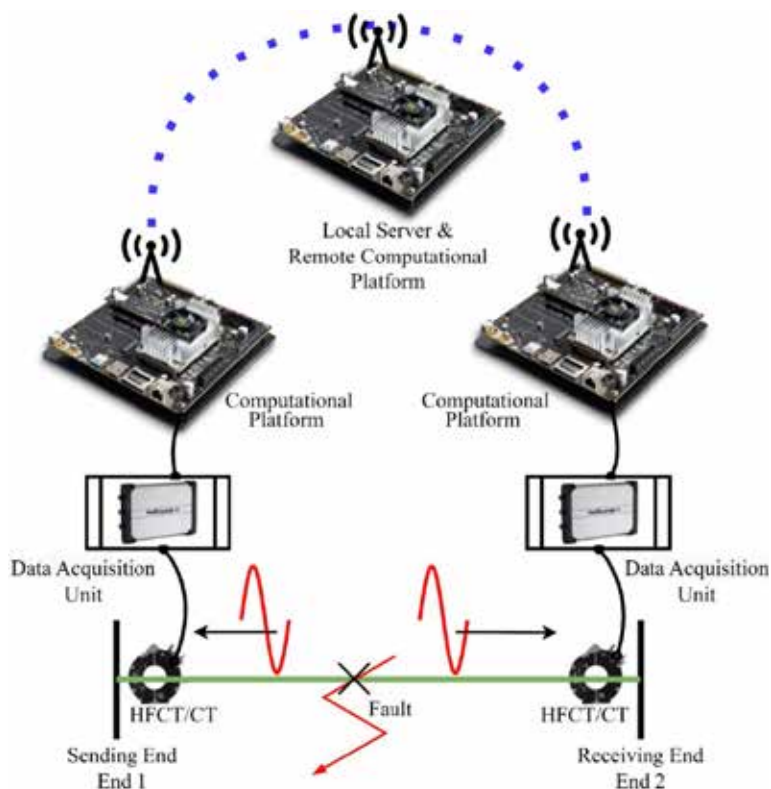
# Data-Driven Based Approach for Fault Location Identification in Mines Electrical System

This research set out to develop an original hybrid hardware-software package that could detect fault location based on the field measurement data. The main feature of the work was to develop advanced algorithms that can address detection issues in both buried high voltage (HV) feeder cables of potash mines and medium voltage (MV) cables in underground mines generally in a way that is significantly faster than current methods and support a safer and faster return to service for impacted power lines.

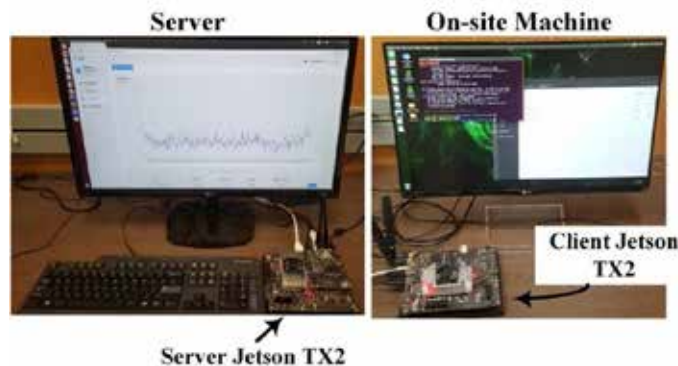
This applied research project:

- Demonstrated machine learning techniques for fault location identification in MV underground cables which can address the low fault current characteristics of mining operations.
- Created novel data-driven methods to address permanent and incipient faults in buried HV feeder cables.
- Successfully combined permanent fault and incipient fault localization approaches for underground cables with a hardware platform designed to implement the developed algorithms.

This concept not only makes it more effective to real-time troubleshoot electrical cables but also reduces operational downtime and protects workers from inherent risks.



Total setup of an online fault localization platform



An overview of the developed hardware-software platform for PD identification



# SolarSteam - Demonstrating renewable heat generation technology



The ability to generate enough heat to satisfy industrial process equipment and systems needs has been a challenge with the greatest obstacle being the ability to make enough energy to support the demand. A modular solar thermal system, as proposed by SolarSteam, has the potential to be able to provide this needed heat energy from a renewable resource. The SolarSteam system is modular by design meaning it may be custom adapted and deployed to fit process applications adjacent to facilities.

*Results have indicated that there is a pathway to scale where this can be investigated further for larger applications in an industrial setting.*

## Stress Monitoring in Potash Mines



The Stress Monitoring in Potash Mines Project was a graduate thesis project at the University of Saskatchewan for Latham Hamlin. The project investigated current and common approaches for measuring stress change. This included lab testing on two common approaches and investigated a newer methodology for applying two monitoring instruments to assess both the stresses and modular changes specific to potash deposits in the subsurface. The reason this is done for potash is that potash is a “soft rock” and elastic in nature where it can deform and fail under less pressure than more durable “hard rocks” of other mines. The challenge was to be able to track with accuracy the stress experienced on potash proximal to mine workings in the subsurface.

The CSIRO HI cell and Vibrating Wire Stressmeter were the monitoring instruments chosen from the literature review to be used for the research. The project tested a convergence method shown to be a valid option for reducing measurement error resulting from incorrect modulus estimation for in-situ stresses. This saw both instruments tested at the same points in the rock mass to compare results.

# EVENTS

INNOVATION

## DEMOday

Five innovative solutions providers were invited to pitch six technologies to the 5th DEMOday held in association with the 15th Annual Saskatchewan Mining Supply Chain Forum.

This year's invitees focused on advanced chemicals, emissions reductions, energy efficiency and water solutions and included:

- BioDiffusion Technologies Inc. – with a bio-based renewable resin that could help the industry address caking or clumping concerns in dry fertilizer production. [www.biodiffusion.ca](http://www.biodiffusion.ca)
- Extract Energy Inc. – with a novel application of shape memory alloy heat engine in the waste heat to power space. Extract Energy – Converting waste heat into clean energy.
- H2nanO Inc. – with a passive, naturally powered technology for process and wastewater treatment. H2nanO
- Solex Thermal Science Inc. – with a moving bed heat exchanger with the potential to reduce emissions. [www.solexthermal.com](http://www.solexthermal.com)
- Solex Thermal Science Inc. – with indirect heat exchange technology that has the potential to reduce energy consumption. [www.solexthermal.com](http://www.solexthermal.com)
- 247 Solar Inc. – with a novel technology to store excess electricity from solar or wind as heat and convert this heat to electricity when needed. 247Solar - Solar Power That Gets You Through the Night - 247Solar, Inc.



*“The technologies selected this year are aligned with IMII’s vision to make Saskatchewan home to the world’s most innovative mining and minerals industry, and with the industry’s commitments to produce critical minerals, like potash and uranium, sustainably.”*

# Innovation Award

Coming out of DEMOday 2023, Extract Energy (Cambridge, ON) and the Extract Energy heat engine, was as the Innovation Award winner for 2023.

Extract Energy has a novel application of the shape memory alloy heat engine that is designed to harvest low-grade heat from industrial applications, including the minerals industry. An attractive feature of the technology is that it targets waste heat temperature ranges below that which any commercially available energy harvesting sySTEM can operate, and the resulting electricity generated can be used on-site to offset demand from electrical grids.

*“This is both good for the planet and for the competitiveness of the minerals industry”*



# 9th Annual Let's Talk Minerals - Innovating Energy Solutions



Addressing how the industry and its partners in Saskatchewan have and may respond to the energy challenges of today and tomorrow, this year's event featured:

Sara Harrison, Head of Directional Studies, Potash – BHP – “Powering Sustainability at Jansen”

Brett Paquin, Director, Energy Security, Crown Energy Security Division – Crown Investments Corporation (CIC) – “Small Modular Reactors: Progress in SK, Canada, and Internationally”

## Innovation Row is an opportunity to showcase the winners of innovative solutions

- Ionic Mechatronics, Safebox (2020 Innovation Award Winner)
- Continental Mine and Industrial Supply, Underground Dust Collection System (2019 Innovation Award Winner)
- Grengine, Alternative Energy Systems Innovation Challenge Winner
- Extract Energy, Extract Energy Heat Engine, 2023 Innovation Award Winner

Presentations of the event can be watched at Resources – International Minerals Innovation Institute (IMII.ca).

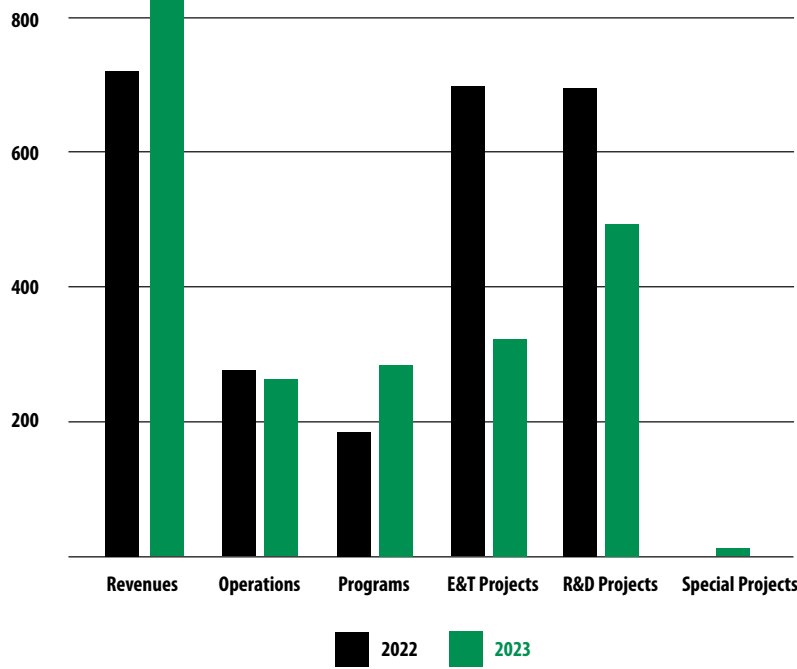


# 2023 FINANCIAL SUMMARY



# REVENUES AND EXPENSE

Statement of Revenues vs Expences (in 1000's)



IMII’s mainstream of revenues comes from industry members, industry R&D participation, and the Government of Saskatchewan through Innovation Saskatchewan.

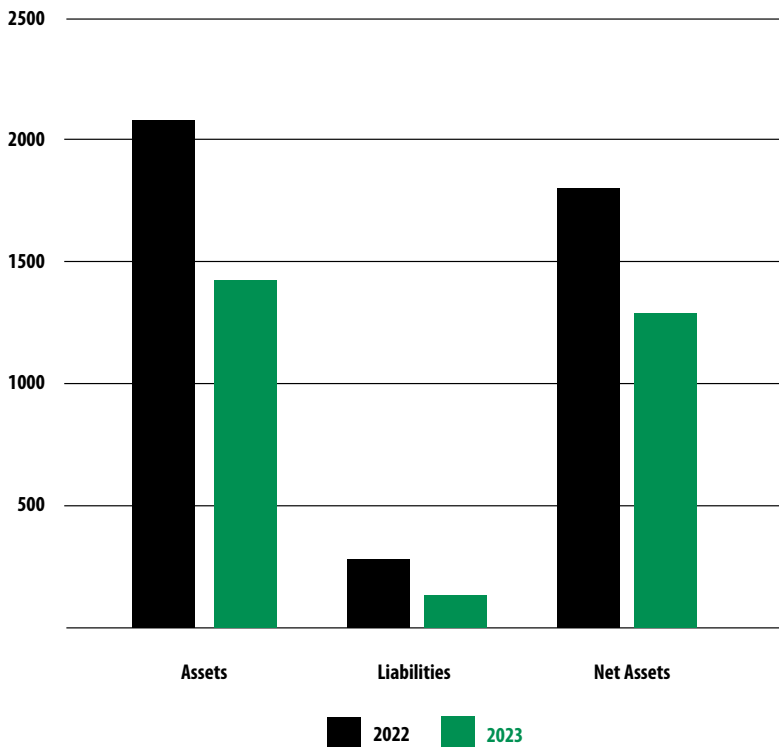
IMII awarded \$143,250 in scholarships.

IMII funded five education & training and diversity & inclusion projects.

IMII funded ten research, development, and demonstration projects.

# FINANCIAL POSITION

Statement of Financial Position (in 1000's)



As of December 31, 2023, \$1,697 million was committed to fund approved projects and initiatives for 2024 to 2027.

- \$298,072 for education and training/diversity and inclusion commitments
- \$781,485 for research, development, and demonstration commitments
- \$52,530 for special projects
- \$315,000 for future initiatives
- \$250,000 held as a windup reserve

In 2023, IMII drew down its cash and net reserves by approximately \$510,000.

# MEMBERSHIP



Membership in IMII enables a company to:

- Pool resources with others to foster innovative new technologies and human resources.
- Drive the kind of change that individual companies struggle to achieve on their own.
- Connect with all sectors devoted to developing innovations that matter to the minerals industry in Saskatchewan.
- Presents the opportunity to influence the requirements development, technology adoption and future direction of Saskatchewan's minerals industry innovation ecosystem by joining with leaders in supply chain, academia, and government agencies in IMII activities and projects.

## Minerals Companies

A minerals company means a company or group, of which the extraction of mineral resources from within the Province of Saskatchewan, is a principal (i.e., an operator) or planned (e.g. exploration, development) activity.



## Solution Providers

Solution Providers are companies involved in the supply of equipment, technology, and services to the minerals industry, including capital equipment, contract mining, mining consumables, professional services including engineering and consulting, software and advanced technologies, and equipment supply.



## Government

Federal and provincial government agencies and departments that share a commitment to innovation in Saskatchewan's minerals industry through IMII and demonstrate this through the provision of funding and other relevant resources for industry, government, and academic collaboration in building capacity in the innovation ecosystem.



## Institutions / Capacity Builders

Post-secondary and/or research institutions based in Saskatchewan that contribute novel ideas, relevant education and training and/or sophisticated facilities to the minerals industry innovation ecosystem.



## Risk Capital Providers

Risk Capital Providers are banks, foundations, local economic development authorities, incubators, accelerators, and venture capital funds that want to support the development and deployment of new technological solutions for the minerals industry.

IMII is a non-profit organization jointly funded by industry and government and is committed to developing and implementing innovative education, training, research and development partnerships for supporting a world-class minerals industry.



Its vision is Saskatchewan being home to the world's most innovative and sustainable minerals industry.

IMII was established in 2012 to support and sustain the Saskatchewan minerals industry for the long-term benefit of Saskatchewan. In its first ten years, IMII has sponsored more than 50 industry driven projects, valued at more than \$24 million, and in doing so has leveraged more than \$11 million in project funding from outside of its mineral industry and government members.



Its purpose is to serve as an Innovation Steward to strengthen the Saskatchewan minerals industry's competitiveness and growth through Research, Development & Demonstration and Education & Training to drive the future's Qualified & Representative Workforce.

## 2023 BOARD OF DIRECTORS

As of December 31, 2023, the following serve on  
IMII's Board of Directors:

Tanya Smith, BHP

Jeremy Breker, Cameco

Murray Schultz, Mosaic

Craig Funk, Nutrien

Richard Elkington, Fission Uranium

Kevin Chung, Innovation Saskatchewan

David Boehm, Ministry of Advanced Education

Rashid Bashir, Hatley Engineering

Justin Lasnier, Saskatchewan Indian Institute of Technology

Larry Rosia, Saskatchewan Polytechnic

Chris Yost, University of Regina

Terry Fonstad, University of Saskatchewan

Larry Long, Saskatchewan Mining Association



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