

FOR IMMEDIATE RELEASE

## IMII releases list of industry innovation needs for DEMOday 2022

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**Saskatoon, SK (Canada)** – The IMII is inviting applications for its **2022 DEMOday** and Innovation Award being held on April 25<sup>th</sup> in association with the 14<sup>th</sup> Annual Saskatchewan Mining Supply Chain Forum. New this year – IMII’s minerals industry members – BHP, Cameco, Mosaic and Nutrien, have submitted technology needs that could be met by suppliers, inventors, start-ups, and other innovators either through the development or demonstration of a new, innovative technology.

“IMII’s minerals industry members know that suppliers and other innovators can help address their toughest technology challenges and that DEMOday is the forum for bringing solutions to light,” says Al Shpyth, IMII Executive Director.

For 2022, innovative ideas or solutions are being sought in the following areas:

- Technologies/instrumentation which would allow the potash industry to better characterize rock mass deformation over time
- Technologies which would allow the potash industry to “see forward” 10 to 100 metres in front of the mining machine without drilling to improve safety
- Technologies which would allow the potash industry to contain/eliminate area dust in the potash drying process
- Technologies which could assist the minerals industry in tracing, tracking, and reporting on ESG indicators and position Saskatchewan’s minerals as among the most sustainable in global markets
- Technologies or processes which would allow the industry to effectively utilize low-grade heat or heat sources with low/no GHG emissions for mine and/or mill processes or air/space heating
- Technologies which would automate core chemistry analysis (of solids and/or brine micro-fluidics) underground to inform mill processing and/or underground potash layer geology
- Technologies which could advance employee safety if adapted from other/adjacent industries, from the automation of existing manual processes or the deployment of new technologies to solve root problems such as real-time location tracking in the minerals industry
- The development or demonstration of a non-amine dedust agent or collector for the potash sector
- The development or demonstration of a suitable online particle size analyzer for potash slurry
- The development or demonstration of a dry solids flowmeter for potash
- The development or demonstration of air emission abatement equipment that minimizes water and energy inputs for either the potash or uranium sectors

IMII’s **DEMOday** is an open innovation opportunity for existing suppliers with new ideas, new companies with new solutions, researchers with a desire to move their ideas out of a lab and into a start-up, developers, data scientists, inventors, entrepreneurs, and other innovators wanting to help make Saskatchewan’s minerals industry more safe, productive, and sustainable.

Innovators wanting to be part of **DEMOday 2022** and be considered for IMII's **Innovation Award** are invited to complete and submit the application form – available at [DEMOday \(imii.ca\)](https://www.imii.ca/DEMOday) by February 18<sup>th</sup>.

Innovations selected for further development, demonstration or deployment will be eligible to receive up to \$250,000 in funding from IMII and to partner with one or more of IMII's minerals company members in a collaborative technology project to demonstrate or trial their solution in a supportive mining environment.

**For more information:**

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**About IMII:**

The International Minerals Innovation Institute (IMII) is a unique innovation supporting network of mining companies, government departments and agencies, and post-secondary and research institutions, jointly funded by its minerals industry members and the Government of Saskatchewan through Innovation Saskatchewan. It exists to deliver innovations that matter to mining in Saskatchewan.