

Mining Update 03/22

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**TOP 12 learnings mined
from a year of
all-electric and zero-
emission explorations.**

ABB

12 insights from 12 months of fruitful learnings

ABB completes a year since the launch of its ABB eMine™ purposeful framework of methods and solutions to make the all-electric mine possible. ABB's experts share 12 insights from 12 months of fruitful learnings and most importantly how they see the journey moving forward.

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Demo of ABB's mining EV fast charging pilot

We recently had the pleasure to organize together with our partner MEDATech, a demo with customers of ABB's pilot eMine™ FastCharge and MEDATech's ALTDRIVE battery-electric truck at MEDATech's facility in Collingwood, Ontario.

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Gold Fields and ABB pioneer digital mining in remote Chilean desert

Gold Fields partnered with ABB to create one of the most digitally connected mines in the world. ABB is installing its enterprise-grade digital platform ABB Ability™ Genix Industrial Analytics and AI Suite to enable Gold Fields' Salares Norte project in Chile to drive efficient, sustainable and remote operations.

The gold and silver mine is located in the Atacama Desert, among the highest peaks of the Andes mountain range with elevations of between 4,200m and 4,900m. It is 1,300km from the Chilean capital of Santiago where the ABB Ability™ Genix suite is located in a remote monitoring center for the mine.

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ABB and FLSmidth to collaborate to investigate how to improve environmental performance, safety and productivity for the mining industry

Last week at the FT Mining Summit in London, Mikko Keto, Group CEO, FLSmidth (left) and Joachim Braun, Division President, Process Industries, ABB, shook hands for the future. As we continue to transform industries, ABB has agreed to collaborate with fellow mining industry technology leader FLSmidth to explore solutions for mines that remain essential to reach energy transition targets. We look forward to joint thinking on environmental performance, safety and productivity with an experienced operations and engineering team.

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FT Mining Summit 2022: The mine of the future

ABB's Max Luedtke spoke with Bold Baatar, Rio Tinto, Laura Tyler, BHP and Mikko Keto, FLSmidth, during the panel discussion 'The Mine of the Future'.

He said: "The mine of the future will be electric, connected and automated to drive a safe, sustainable and profitable future for mining operations."

The future of mining is reliant on the innovations and advances of today.

[SEE HOW ABB CAN HELP](#)



Playbook How mining companies partner with ABB to accelerate digital transformation

Best practices

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ABB MINING TECH TALKS

Webinar on demand

Control your hoist with more flexibility, reliability and levels of protection

Duration: 60 min

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GMDS AND THE CLEAN ENERGY TRANSITION

Marcelo Perrucci, ABB, explains why gearless mill drives (GMDs) are the preferred solution for high-capacity mills when combined with digital and service solutions.

Figure 1. ABB's GMD supports Alkemy Mining's operations in Andahuayla.



Gearless Mill Drives and the clean energy transition

Mill operators face the twin challenge of increasing production to meet demand for commodities and declining ore grades. Marcelo Perrucci, ABB, explains why gearless mill drives (GMDs) are the preferred solution for high-capacity mills when combined with digital and service solutions.

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Joachim Braun

Division President Process
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ABB



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Visit ABB at IMARC Conference, stand R06

ABB will be hosting a booth and ready to speak with you on the electrification of mines and how to help you decarbonize your mine. Enjoy a complimentary expo pass to visit us at stand R06, simply by using the code: SPEX15 when you register.

We are pleased to share that Joachim Braun, Division President, Process Industries, ABB, will be speaking at IMARC about what the digital transformation journey looks like in mining – how do we truly move towards a more Digital and Connected Mine?

REGISTER



The Process Automation Podcast



Mining - Driving the Clean Energy Transition

00:00 / 29:41



Podcast: Mining - driving the clean energy transition

The need for sustainable, safe and productive mining operations has never been greater.

In episode 2 of the Process Automation Podcast, host Fran Scott chats with ABB's Max Luedtke and Carly Leonida, author of 'The Intelligent Miner', about how mining is supporting the clean energy transition.

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