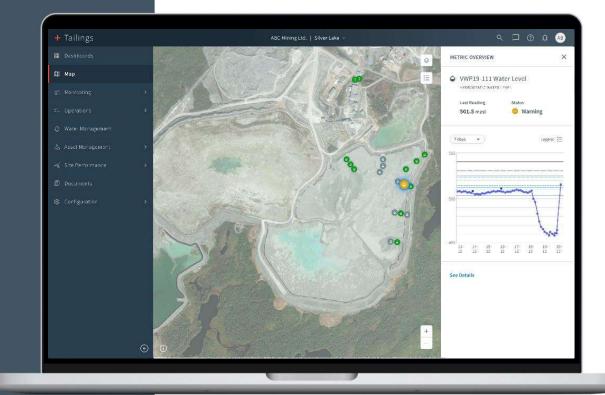


Integrated Tailings Management Solution

Hatch has developed a holistic Tailings Management Solution for mining companies worldwide. It provides users with integrated, intelligent, and timely insights and actions designed to:

- Increase the safety and reliability of tailings facilities
- Improve the operational effectiveness and efficiency of teams
- Enhance the speed and integrity of governance and compliance
- Help maintain social license to operate







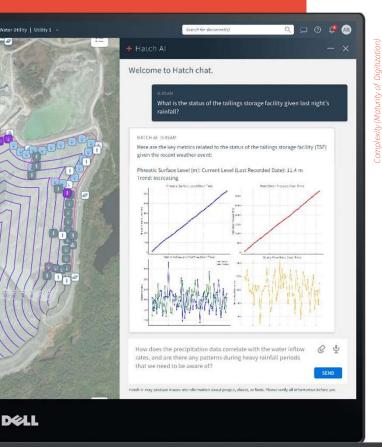
Risks Faced by Tailings Facilities

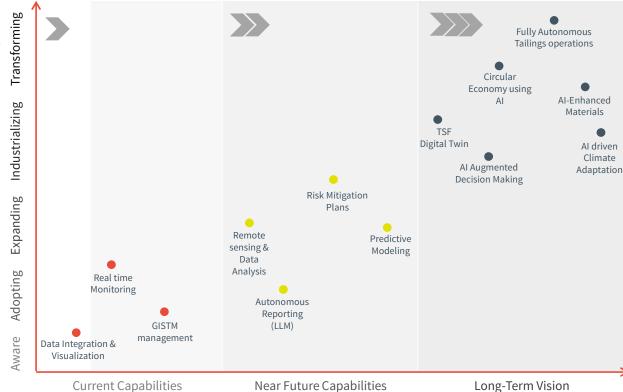
Some Challenges Risks Some Consequence Stability and Manual data collection Structural • Dam Failures / Stack Failures / Pit Failures Integrity Management • Regulatory Compliance / Operational Challenges • Delay in decision-making and Governance • Construction Methods • Large volume of historical data Technological Tailings stacking operation Lack of integration of tools and Engineering • Digitization Limitations • Spatial data on tailings deposition • Tailings Reprocessing Recovery simulations and industry safety • Seepage and Contamination of water and soils Non-management Environmental Dust Emissions • Non-use of the QA/QC Impact • Lack of open and transparent Social and dialogue with the communities Community Impact Economic Land conflicts: Reputation and Trust Factors • Health and safety conditions





Future Tailings Operation – V1







Conclusion



Human-Machine intelligence: ML assisting experts in decision making, risk identification, deposition management, reducing errors and most importantly – Saving time!



Greater Transparency: Succinct presentation of data to public to allow for better transparent and to demystify tailings facility operation.



Intelligent and Fail-Proof Systems: Robust systems that minimize errors.



Safety and compliance: Ensuring the highest safety standards



Thankyou

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HATCH

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