

The mine of the future

Digital transformation will enable miners to remain sustainable and competitive

[Download our whitepaper](#)

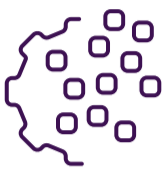


Mining, Metals, and Materials (MMM) companies are faced with volatile market swings and increasing operating costs.

Miners who move with agility to leverage technology to drive efficiency across the entire mining value chain will be the winners of tomorrow. This will also yield safer and cleaner work for employees, local communities, and the land on which they operate.



Where digital transformation makes a difference in mining



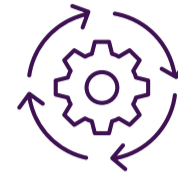
Break down silos

Digital transformation helps mining companies be more agile and reliable, balancing both the supply and demand chains.



Achieve real-time productivity

Digital insights allow companies to shift their focus to proactively optimize processes and planning to drive operational excellence.



Improve process economics

Increased process control can help mining companies address the complex challenges of reduced CAPEX, rising OPEX, and global competition.

Enable teams to know more, and do more

By simulating, engineering and executing capital projects on a common data-centric environment, multi-disciplined teams gain maximum collaboration and project transparency.

Learning systems combined with process simulation and AR/VR technology enable the next generation of mining workforce to learn safely and intelligently, helping to aid in a more productive, safe, and knowledgeable workplace.

Engineering solutions from AVEVA help drive:



Enhanced communication, among multiple EPCs, reducing errors and risks



Clearer, more sustainable practices for more efficient operations



On-time, on-budget and safe capital projects



Increased visibility for better decision making



Increased workforce empowerment and safety



10-20% capacity improvement

As a result of improved asset utilization¹

Success story

When building a greenfield potash mine, K+S Potash Canada managed a smooth handover from the EPC firms to the construction site, and then to the owner-operator²

Seamless information handover on a complex project with 11 different EPC firms working simultaneously

[Read more](#)



AVEVA: Delivering sustainable business value for over 50 years



20,000+ industrial enterprises



6,500+ employees



5,500+ partners



5,700+ certified developers

The connected, digital mining operation of the future starts here

AVEVA's solutions provide Owner Operators and Engineering, Procurement and Construction companies (EPCs) with comprehensive digital engineering solutions that span greenfield plants, capital projects, brownfield plants, and Digital Twin initiatives.

[Learn more](#)



Sources

- "Success Story: MMG Limited", AVEVA, <https://www.aveva.com/en/perspectives/success-stories/mmg-limited/>
- "Success Story: K+S Potash", AVEVA, <https://www.aveva.com/en/perspectives/success-stories/potash/>