

CERAMAH TEKNIK TECHNICAL TALK

Advancing mining practices through innovative solutions

GSM, Mawea Industries, Dassault Systèmes, and University of Malaya

Date: 11 September 2024

Venue: Department of Geology, Universiti Malaya

On 11th September 2024, the GSM Technical Talk 2024 brought together over 70 mining professionals and academics at the University of Malaya. The event provided a vital platform for geologists, engineers, planners, surveyors, lecturers, and students to dive into the most critical advancements shaping the future of mining.

A Focus on What Matters Now

The theme for this year's event, Advancing Mining Practices through Innovative Solutions, highlighted how next-generation technologies are transforming the extraction and management of rare earth elements, bauxite, and gold. As the mining industry faces rising pressure for efficiency, sustainability, and precision, adopting these solutions has become vital for maintaining a competitive edge.

Key Insights Shaping the Industry

The discussions at GSM Technical Talk 2024 provided participants with more than just updates - they offered actionable strategies that are already reshaping mining operations today. Key takeaways included:

1. Game-Changing Technologies in Use Today

Detailed case studies showcased how advanced tools are being applied in real-world mining environments, especially in areas like survey controls, parametric mine design, and material tracking. These proven methods are streamlining operations, improving accuracy, and reducing inefficiencies - delivering results that can be implemented now.



Organiser: Geological Society of Malaysia, Co-organisers: Mawea Industries, Dassault Systèmes, and University of Malaya.



Industry expert delivering insights on parametric approaches in mine design.

2. Digitalisation: A Must for the Future of Mining

Industry experts emphasised the growing importance of digitalisation and data-driven decision-making. These technologies are enabling mining companies to integrate planning and operational data more efficiently, unlocking new levels of precision and productivity. Staying ahead in the mining sector will require embracing this digital transformation.

3. Practical Solutions for Immediate Implementation

Attendees gained real, hands-on solutions to some of the most pressing challenges in mining today. From optimising mine planning processes to improving resource tracking, the event provided participants with tools they can immediately put into practice to enhance operational success.



Building Connections for the Future

In addition to the technical sessions, the event created an excellent platform for networking and collaboration. Professionals, educators, and students came together to exchange ideas and forge new partnerships, fostering a collaborative atmosphere that will drive the next generation of mining innovation.



The Time to Act is Now

The GSM Technical Talk 2024 was more than just a gathering - it was a critical moment for the mining industry. As technological advancements reshape how we approach mining, adopting these innovations has become essential, not just for operational efficiency but also for addressing some of the industry's most pressing challenges, including sustainability, safety, and cost management. Attendees left the event with practical strategies and knowledge to enhance their operations in an evolving landscape.

The integration of new technologies - such as automation, data analytics, and digital twin solutions - enables mining companies to operate more efficiently, reduce risks, and meet growing environmental and social expectations. In a world where mining is becoming more complex, from lower ore grades to deeper deposits and harsher environments, the ability to leverage these technologies is key to long-term resilience and success.

Looking Forward

The mining industry is at a pivotal juncture. As the sector faces increasing demands for efficiency, safety, and sustainability, staying informed about the latest technological advancements is critical. The time to act is now - embracing these changes today will ensure the industry's future viability and success.

Join Us and Drive Change

The landscape of mining is evolving rapidly. Join us at our next event to explore cutting-edge innovations, engage with industry leaders, and learn how these advancements can directly improve your operations. This is your opportunity to be part of the transformation that will shape the future of mining.

For more details or to register, contact us at marketing@mawea.com.my.

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