Mine-to-Mill® & JK Value Chain Optimisation Workshop
A HOLISTIC APPROACH TO PROCESS OPTIMISATION
The Mine-to-Mill® approach identifies the conditions needed to optimise financial performance of your mining operation and maximise the profitability and sustainability of your business.

JKMRC and JKTech at The University of Queensland were directly involved in developing the Mine-to-Mill® philosophy and have been implementing it to maximise operational profitability for industry clients over 15 years.

Mining involves a series of operational stages managed independently of one another. Often, we find that conditions required to optimise one stage are counter productive for performance in another stage in the operation. This workshop uses case studies from around the world to show how a coordinated Mine-to-Mill® approach can provide benefits in terms of increased plant throughput, better energy efficiency and lower operating costs.

The objective of this workshop is to show you how to improve communication between the mine and the mill, and enable them to jointly develop strategies to maximise bottom line performance. The presenters explain the methodology and discuss the critical actions required to successfully implement a program in a way that can be sustained over time. The workshop will present case studies and practical industrial problems for participants to solve by using this approach.

The presenters have implemented successful Mine-to-Mill® programs across the globe for more than a decade.

The topics covered include:
- Mine-to-Mill® philosophy
- Drill and Blast impacts on downstream processes
- Introduction to crushing and grinding
- Introduction to flotation and recovery
- Rock breakage during blasting
- Rock breakage in crushing and grinding
- Rock characterisation for Mine-to-Mill® purposes
- Drill and Blast process audit
- Ore loss and dilution management
- Blast damage control
- Mill surveys
- Blast modelling
- Plant modelling
- Integration of models and simulations
- Mine-to-Mill® case studies

Who Should Attend
Anyone with responsibility for maximising operational performance will benefit from this workshop. This includes:
- Mine managers, engineers and planners
- Managers and superintendents of operations and concentrators
- Asset optimisation managers
- Business improvement managers and consultants
- Mining academics and researchers
- Mining educators and trainers
- Government officers with responsibility for mining
Mine-to-Mill® process optimisation follows a scientific methodology

COURSE LEADERS

Prof. Sarma S Kanchibotla
Sarma has over 30 years of industry and research experience in the fields of drilling, blasting and Mine-to-Mill® Optimisation, managing and implementing Mine-to-Mill® optimisation projects in leading mining operations around the world.

Dr David Way
David is a globally renowned metallurgist and has over 21 years of industry experience in management, operational, research and development, acquisitions and technical roles. In addition, he oversaw large scale and complex optimisation projects at mine sites around the world.

Mr Sebastian Tello
Sebastian has 14 years of industry experience in technical, production and business development roles across the minerals processing industry. A comminution specialist with a proven track record in improving process design and operational efficiency.

Benefits to Participants

- A plan for Mine-to-Mill® implementation, supported by the case studies from around the world
- A communication strategy that will enable mining engineers and metallurgists to work collaboratively to improve performance
- Increased awareness of how technical and operational decisions impact up and down the value chain
- The ability to recognise the limitations of traditional optimisation methods and the potential benefits of a holistic optimisation approach

I really enjoyed the course. The presentations were lively and kept a high level of interest and enthusiasm. Also the instructors were flexible in answering questions throughout and adjusting the content of answers to suit the knowledge of individual delegates.”

Mine-To-Mill® participant

Registration

For more information and to register, visit:
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> Professional Development
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JKTech is proudly owned by The University of Queensland and is the technology transfer company for the Sustainable Minerals Institute.

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