OpenCut
MINE PLANNING AND OPERATIONAL EXCELLENCE
21 – 24 February 2012
Resorts World Sentosa, Singapore

Top Mining Experts:

Dr. Hishmi Jamil Husain
Advisor Environment, Rio Tinto

Anacleto Suelto
Superintendent-Water Resource Management, Sagittarius Mines Inc. (Xstrata Copper)

Arif Hindarto
Senior Mining Engineer, PT. Antam (Persero) Tbk

Danny Dangkua
Project Manager, PT Freeport Indonesia

Warren L. Tamblyn
Engineering Geologist and Geotechnical Services Team Leader, PT. Bayan Resources Tbk

Haryanto Wiyatno
Senior Mine Geotechnical Engineer, PT. International Nickel Indonesia, Tbk (VALE INCO)

Paul Currie
Mining Manager, GHD

Gede Ngurah Ambara
Business Performance Improvement Division (BPID), PT Kaltim Prima Coal

Aloysius Prananto
Open Pit Manager, PT Kaltim Prima Coal

Rod Dugmore
Asset and Reliability Manager, Minerals & Metals Group (MMG)

Key Highlights Include:

• Strategic Design and planning for open cut mining
• Project showcases from Indonesia, Australia, and Philippines, outlining best practice as well as market opportunities
• Planning and operational considerations for Greenfield / Expansion projects
• Increasing mine optimization through operational efficiency
• Technical and Commercial solutions for overburden management
• Open Pit Water Management
• Evaluating In Pit Crushing and Conveying (IPCC)
• Environment and Rehabilitation of mine sites
• Equipment Selection for Operational Efficiency and Effectiveness
• Strategic Cost Management

Pre-Conference Workshop | 21 February 2011
Strategic Mine Planning and Business Risk Assessment

Post Conference Workshop | 24 February 2011
Successful Project Management for Operational Efficiency and Cost Control

www.opencutminingasia.com

A Must Attend for Open Cut Miners Across All Commodities

REGISTER NOW! Customer Service Hotline: +65 6508 2401
Reserve estimation
Commodity prices, and importance of time to market
Operational efficiencies and reducing cost of overburden
Mechanical and electrical aspects of mineral extraction
Evaluating a mineral deposit
Overburden placement using stackers, and its Dewatering and Drainage Construction
High Dumping Methods in extreme locations and how to Waste management and treatment facilities
Hydrocarbon and waste management
Commercial feasibility of pit operations
Mine acid water control
Main Haul Road Design & Construction
Develop & manage waste dumps/disposals and stockpile Risk measures
Construction of Tailings Storage, waste rock storage and Dumping Plan and its background
Rock mechanical analysis, soil mechanical analysis
An Integrated Solution
Safety and Environment considerations
Loading and haulage facilities
Top 3 bottlenecks and resolutions
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9.00 Chairman’s Opening Remarks

Strategic Open Cut Mine Planning

9:10 Greenfield Open Pit Operations
• Reserve estimation
• Pit optimization and relevant risk quantification
• Design criteria for pits, waste dumps, ramps, roads, slots
Gerrit Vos, General Manager, Open Pit Iron Ore Operations, ArcelorMittal*

9:40 Long and Short Term Pit Planning and Scheduling
• Evaluating a mineral deposit
• Estimating capital costs and scheduling mining operations
• Commercial feasibility of pit operations
• Analyzing cash flows, net present value (NPV), and internal rate of return (IRR)
Tharig Azizi, General Superintendent Mine Planning, PT Freeport Indonesia

10:00 Q&A Session Followed by Networking Coffee Break

10:50 Miners’ Panel: Ensuring Supply Reliability through Effective Open Cut Mining
• Commodity prices, and importance of time to market
• Top 3 bottlenecks and resolutions
• Balancing Technical and Commercial objectives
• Safety and Environment considerations
Dr. Hishmi Jamil Husain, Advisor Environment, Rio Tinto
Anacleto Suelto, Superintendent-Water Resource Management, Sagittarius Mines Inc. (Xstrata Copper)
Danny Dangkua, Project Manager, PT Freeport Indonesia
Warren L. Tamblyn, Engineering Geologist and Geotechnical Services Team Leader, PT. Bayan Resources Tbk
Haryanto Wiyatno, Senior Mine Geotechnical Engineer, PT. International Nickel Indonesia, Tbk (VALE INCO)

Management of Overburden and Waste

11:40 Overburden Management at West Dump Grasberg Mine, Papua, Indonesia
• Dumping Plan and its background
• High Dumping Methods in extreme locations and how to manage it effectively and safely
• Overburden placement using stackers, and its implementation
• Operational efficiencies and reducing cost of overburden management
Danny Dangkua, Project Manager, PT Freeport Indonesia

12:10 Drill, Blast and Overburden Management
• Main Haul Road Design & Construction
• Develop & manage waste dumps/disposals and stockpile designs
• Critical cost cutting considerations
Dr. Ade Kadarusman (PhD MAusIMM), Geology Technical Specialist Mine & Exploration Department, PT. International Nickel Indonesia Tbk (VALE INCO)

12:40 Q&A Session Followed by Networking Lunch Break

Water Management

2:00 Copper Open Pit Mine Water Management and Dewatering in case of Inundation of Water
• An Integrated Solution
• Dewatering and Drainage Construction
• Construction of Tailings Storage, waste rock storage and Fresh Water Dam
Anacleto Suelto, Superintendent-Water Resource Management, Sagittarius Mines Inc. (Xstrata Copper)

2:30 Water Management in a Coal Open Cut Mine
• Mine infrastructure and drainage system
• Hydrocarbon and waste management
• Mine acid water control
Aloysius Prananto, Open Pit Manager, PT Kaltim Prima Coal

3:00 Q&A Session Followed by Networking Coffee Break

Slope Design and Infrastructure Planning

3:30 Open Pit Wall Performance through Mechanically Stabilized Earth
• Monitoring Slope Movement Stability
• Rock mechanical analysis, soil mechanical analysis
• Limit Equilibrium Method & Finite Element Method
• Risk measures
Haryanto Wiyatno, Senior Mine Geotechnical Engineer, PT. International Nickel Indonesia, Tbk (VALE INCO)

4:00 Mine Infrastructure for Mine Site Developments
• Integrated Pit to port solutions
• Power, water, communications
• Mechanical and electrical aspects of mineral extraction
• Waste management and treatment facilities
• Loading and haulage facilities
Warren L. Tamblyn, Engineering Geologist and Geotechnical Services Team Leader, PT. Bayan Resources Tbk

5:00 End of Conference Day One

“Indonesian Coal Prices Up as Rain Curbs Supply
– A prolonged wet season has left many Indonesian producers in Kalimantan struggling to meet orders”
(Source: www.thejakartaglobe.com)

Working with mines affected by extreme flooding is a common problem facing the weather dependent Indonesian mining sector, and they are increasingly investing in high end water management solutions.
9.00 Chairman’s Opening Remarks

Environment Management and Rehabilitation

9:10 Best Practices in Rehabilitating Mine Sites
- The social, biological, physical and geological considerations regarding closure.
- Closure Strategy Closure Management Plan – scope of actions to implement the closure strategy and execution
- Evaluation of potential cost issues
- Cost Estimation
Dr. Hishmi Jamil Husain, Advisor Environment, Rio Tinto

9:40 Wirtgen Surface Miners: Developing an Environmentally Friendly and Economical Mining System
- Simplifying the mining process - Combining drilling, blasting, crushing and loading into one integrated process
- Operating like a mobile processing plant
- Exploring the benefits of selective mining
- Operation of Wirtgen Surface Miners around the world
Bernhard Schimm, Product Manager – Surface Miner, Wirtgen GmbH

10:15 Mine Closure for Sustainable Environment
- Commercial and environmentally sustainable closure practices
- Effective closure plan
- Mine waste management
- Regulations, responsibilities and results

10:45 Q&A Session Followed by Networking Coffee Break

Strategic Cost Management

11:15 Mobile Washing Plant Strategy to Reduce Cost and Social Risks in the Tayan Bauxite Mine
- Planning criteria considered for the washing plant
- Factoring in a slurry / residue dam
- Mobile/movable washing plant as the alternative strategy to replace the fixed washing plant scenario
Arif Hindarto, Senior Mining Engineer, PT. Antam (Persero) Tbk

11:45 Operational Excellence in Meeting Commercial Objectives
- Achieving long and short term mine planning through Reliability Engineering
- Impact of a work management system that reflects a planning system that has Quality Assurance via Reliability Engineering
- Maintainability
Rod Dugmore, Asset and Reliability Manager, Minerals & Metals Group (MMG)

12:30 Q&A Session Followed by Networking Lunch Break

2:00 Fuel Efficiency Project for Open Cut Mining: A Case Study of PT Kaltim Prima Coal Sangatta – Indonesia
- Background of fuel efficiency project improvement
- Scope Boundaries and Goals of Fuel Efficiency Project
- Approach and methodology of improvement process
- List of improvement initiatives
Gede Ngurah Ambara, Business Performance Improvement Division (BPID), PT Kaltim Prima Coal

2:40 Lignite Open Cut Coal Mining – Opportunities and Challenges
- With the increasing demand worldwide for energy, lignite coal resources offer opportunities for investment. South East Asia has significant Lignite coal resources that offer energy with coals of low ash and low sulphur in large tonnages
- New technologies for Lignite coal drying and gasification
- Mining and exporting lignite coal products in a cost effective manner
Paul Currie, Mining Manager, GHD

3:15 Q&A Session Followed by Networking Coffee Break

3:45 Challenges and Opportunities in Deploying Truckless Mine
- In Pit Crushing & Conveying (IPCC)
- Technical and commercial considerations
- Applying IPCC under various mining conditions
- Success factors for the planning, operation and maintenance of IPCC
Q&A Session

4:20 Close of Conference

Coming Up!

10th Annual Coal Markets
21 – 24 February 2012 | Singapore
Indonesia Pit to Port Summit
16 – 19 April 2012 | Jakarta
China Nickel
23 – 24 May 2012 | Shanghai

Handling of overburden represents one of the major costs and challenges in connection with open-pit mining operations.

“Adaro has increased its production every year since 1992 and we are now among the top five exporters of thermal coal in the world – and all from just one site. Overburden mining and haulage is one of our biggest challenges. In 2010 we hauled 226 M bank cubic metres of overburden, and this year we are planning to haul more than 290 M bank cubic metres...”
(Source: www.mining.com)
Strategic Mine Planning and Business Risk Assessment

If the strategic planning component is missing in mining operations, the project will eventually start running into production problems. From site mapping to technical assessments, from pit logistics to equipment selection, all issues take centre stage. This strategic course discusses open cut mine planning and commercial risk considerations from practical and commercial perspectives. Attendees will take away insights for immediate implementation in their existing mine projects.

You will learn:

• Concepts of Strategic open pit mine planning for successful projects
• Study focus for Concept, pre-feasibility and feasibility mine projects
• Understanding key project drivers for success
• Importance of Resource Assessments

• Mine Scheduling Practices
• Mine Plant Analysis
• Mine Closure Planning
• Costing and Financial Modelling
• Project Risk assessment and logic assessments

About your workshop leader:

Paul Currie, Mining Manager, GHD Service Line Leader – Mining Engineering
Paul has over 30 years’ experience in the field of mine planning and mining engineering with specialist skills in computer design and planning techniques as well as scheduling and strategic planning. Paul has well developed strengths in engineering planning activities in the mining sector that include project management, detailed feasibility studies, development work planning, earthworks, infrastructure design and project costing. Paul actively consults throughout Australia and the wider Asian region.

Successful Project Management for Operational Efficiency and Cost Control

Cost reduction and control is high on agenda of Open Cut Mine professionals, however companies are often in a battle to reduce costs while achieving operational targets. Successful cost control requires an integrated approach and a deep understanding of open pit, as well as overall project operations.

This practical workshop will address cost control and efficiency measures for open pit operations, optimization of resources, and practical techniques to maximize productivity.

• Key challenges in achieving operational efficiency
• Critical cost areas in open pit mine operations
• Equipment selection, and its role in cost effective and efficient operations
• Energy management strategies for reducing operational direct and indirect costs?
• Standardizing KPIs for measurement and control
The metals and mining industry is booming, and the Asia Pacific region is flush with investment. New projects are being commissioned to meet this demand, creating immense opportunities not only for mining companies, but also for mining contractors and service providers. South East Asia itself is slated to draw in over US$30 billion in mining investment by 2016.

The Open Cut Mine Planning and Operational Excellence conference will showcase solutions to address key Technical, Operational and Commercial challenges in mine planning and development.

Using project showcases from major mining operations across the world, the agenda will set benchmarks on operational efficiency, cost management and supply reliability. Equipment and technology solution providers will get the opportunity to hear from, and meet with leading mining companies from the region.

Top Reasons to Attend

• Open Cut Mine Planning and Operational Excellence is the ONLY such conference in the region for miners and service providers
• This conference will be focusing open cut mines of coal, nickel, gold, copper, silver, bauxite, diamond and iron ore
• Miners’ roundtable on technical and commercial challenges in open cut mine planning and development
• Profit from optimal geotechnical design considerations
• Gain insights on Water Management solutions
• Benefit from Strategic Cost Management and Equipment Selection
• Maximize profits from existing operations while upholding safety and environment

SPONSORSHIP & EXHIBITION OPPORTUNITIES

Got that leading edge design for Open Cut Mines? Have a technology application to promote? Want to share a successful case study? Take this opportunity to showcase your leadership, innovation, products and services and make it your choice event for networking. Develop ‘real deals’ with top companies and stand out from competition by increasing brand recognition and awareness.

Contact us for more information on tailor-made options and how you can build a presence at the world’s pioneer conference on Open Cut Mining. For details, reach Ms Catherine Wong at +65 6508 2469 or email: catherine.wong@ibcasia.com.sg today to discuss opportunities for your company.

Who You Will Meet:

Industries

- Mining Companies – Coal, Copper, Gold, Silver, etc 50%
- End Users – Steel Plants, Power Plants, Cement, etc 10%
- Contract Miners 15%
- EPC Companies 5%
- Technology Providers 5%
- Equipment Providers 10%
- Consultants 5%

Geographical Breakdown

- Indonesia 40%
- Singapore 15%
- Malaysia 2.5%
- Philippines 10%
- Thailand 2.5%
- Vietnam 10%
- South Africa 2.5%
- India 5%
- Europe 2.5%
- Canada 2.5%
- Australia 5%
- Mongolia 2.5%
- China 5%
5 EASY WAYS TO REGISTER

MAIL the attached registration form with your cheque to

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HOTEL INFORMATION

Resorts World™ Sentosa, Singapore

8 Sentosa Gateway

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PAYMENT TERMS

Payment must be received 10 business days prior to the event.

To take advantage of discounts with an expiry cut-off date, registration and payment must be received by the cut-off date. All payments must be made in Singapore dollars.

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Please provide your Card Number, Name of Cardholder, Expiry Date and your Signature and send it by fax to +65 6508 2407.

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Should you be unable to attend, a substitute delegate is welcome at no extra charge. Cancellations must be received in writing at least 10 business days before the start of the event, to receive a refund less 10% processing fee per registration. The company regrets that no refund will be made available for cancellations notifications received less than 10 business days before the event.

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Registration Form

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