

BRIEF SUMMARY AND CAPABILITY STATEMENT OF PT MINE GATE INDONESIA

2017



PT MineGate Indonesia

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INTRODUCTION

PT Mine Gate Indonesia (MineGate) is an Independent professional company based in Jakarta, Indonesia, which provides mining consultancy and services for Asian and Australian mining industry, including foreign and local investors, commodity buyers, mine owners, mining contractors and other relevant stakeholders.

MineGate has capability to undertake the specialised mining projects as well as provide solutions in the field of Resources and Reserves Statement Report in accordance with JORC and KCMI Code, Mining Feasibility Study, Independent Technical Due Diligence / Review, Mining Project Improvement and Evaluation, Mine Planning Study and Supervision, and Additionally, Geological Exploration together with MineGate associate company.

The MineGate Principal, Mr Terry Gray has more than 40 years extensive experience in the mining industry located in UK, Belgium, Australia and Indonesia. He worked in various type of mining industry companies predominantly at mining owners, mining contractors and mining consultancy services, both in hard rock and coal types of mining deposit prior to forming MineGate.

MineGate employs the technical team which have intimate knowledge of the mining industry landscape and have extensive experience in providing the types of services required to secure the key deliverables to the project.

PROJECTS UNDERTAKEN

- MINING PROJECT IMPROVEMENT
- JORC / KCMR RESOURCES AND RESERVES REPORTING
- MINING PRE/ FEASIBILITY STUDY
- INDEPENDENT TECHNICAL DUE DILIGENCE
- MINE PLANNING SERVICES AND SUPERVISION
- MINING OPERATIONAL ASSISTANCE
- GEOLOGICAL EXPLORATION

PROJECTS DESCRIPTION

MINING PROJECT IMPROVEMENT

Effective and efficient mining operations and project management through appropriate strategic planning are the key to obtain the competitive operational cost for either owner-operational or mining contractor method.

MineGate provides evaluations for the basic fundamentals of good mining practices in respect of key technical and economical aspects which should be implemented in the mining project /operation, together with appropriate management systems. This evaluation will provide a basis of the potential for improvement leverage

Based on the analysis of potential improvement leverages obtained, MineGate will provide the realistic and reasonable action plan steps both short and long term, considering the continuous improvement principles for the client to eventually achieve the targeted level of mining operations and the cost efficiency.

PROJECTS DESCRIPTION

JORC/KCMI RESOURCES AND RESERVES REPORTING

Mineral / Coal Resources and Reserves Reporting in accordance with the recognised Reporting Code will provide reliable confidence levels on both commodity and assets for owners, investors, and relevant stakeholders alike. This also adds value to the company in professionally reporting to an International Standard.

The Joint Ore Reserves Committee (JORC) Code published by The Australasian Institute of Mining and Metallurgy (AusIMM), The Australian Institute of Geoscientist (AIG) and The Minerals Council of Australia (MCA) are collectively the most recognised code in the Asia and Australia Region and used as the basis for IPO, Banking and Investment purposes.

Particularly in Indonesia, the local Resources and Reserves Reporting Code has been published and is being mandatorily implemented as the reporting code by the Government. This code, namely “Komite Cadangan Mineral Indonesia (KCMI) Code” is also widely recognised by the Indonesian Stock Exchange

MineGate has the Competent Persons whom have significant experience in the field of Resources and Reserves estimate and are capable to sign and provide Resources and Reserves Reporting in accordance with both JORC and KCMI codes.

PROJECTS DESCRIPTION

MINING (PRE) FEASIBILITY STUDY

Mining Feasibility Study is a fundamental key in the mine development stage prior to the execution either in commencing the mine operations or increasing the production capacity. This study will mainly assess the Technical and Commercial aspects together with the key statutory requirements for the project sustainability

Based on the data accuracy and its level of confidence, the study can be categorised as Pre-Feasibility Study and or Bankable/Definitive Feasibility Study. This study is also being a mandatory requirements for Reserves Reporting in accordance with JORC 2012 Code Edition.

MineGate provides the Mining (Pre) Feasibility Study which is materially realistic, reasonable and trustable, prepared by the competent and experienced consultants in the field of Feasibility Study Reporting.

PROJECTS DESCRIPTION

INDEPENDENT TECHNICAL DUE DILIGENCE

Independent Technical Due Diligence will assist investors, buyers, off-takers, and lenders in understanding the actual technical condition of the target entity/company prior to deciding further strategic actions.

MineGate will structure the Due Diligence and determine the scope of work as required by the client such that it provides Independent and Reliable outcomes.

The major scope of MineGate Due Diligences are (but not limited to) Resources and Reserves Review, Mine Planning and Operational Review, Mining Logistics, Transportation and Infrastructure Review, Operating Costs, Capital Costs and Financial Reviews.

PROJECTS DESCRIPTION

MINE PLANNING SERVICES AND SUPERVISION

Mine planning is one of the most important aspects underpinning best mining practice implementation. This is a critical and essential component of effective and efficient mining operations.

Mine Planning provides the strategical outlook in achieving the optimum production outputs, optimising operational performance as well as cost efficiency.

MineGate provides Mine Planning Services as required by Clients such as long term and strategical mine planning, short to mid term planning, site supervision and assistance, development of company mine planning systems, coaching clinics and audits of company mine planning processes for further improvement.

PROJECTS DESCRIPTION

MINING OPERATIONAL ASSISTANCE

Best Mining Operational Practices are the key to an effective and efficient mining operation which ultimately can minimise the cost of operations.

MineGate also provides an advisory Mine Management Partnership and close monitoring of minesite site operations to manage mining method and steps undertaken, equipment productivity, equipment availability and utilisation, site reporting standards, contractor management and mine planning implementation

PROJECTS DESCRIPTION

GEOLOGICAL EXPLORATION

A well managed exploration programme is the key to precisely achieve the “worth-spend” exploration capital expenditure.

MineGate can provide an accurate and effective exploration plan, through design and supervision, in order to achieve the expected resources outcome in accordance with a recognised standard code/guideline .

MineGate is also in association with experienced exploration contractors to provide the field work resources; and are capable to manage and supervise an efficient exploration project.

THE KEY TEAM

TERRY GRAY



Principal

- **Terry Gray** has worked extensively in the Mining Industry in the UK, Australia and Indonesia over a period of 40 years and has been resident in Indonesia since 1994.
- **Mr. Gray** previously worked in Indonesia for a major international contract mining service provider and was involved in all of their major mining operations in his 10 year service. During that period he held a number of key senior roles, including Mining Operations Manager. Additionally, he also jointly owned and managed the Britmindo Group, which provides mining consultancy services as a Director during the period 2006 – 2015. More recently he has been assisting a leading bank in managing a mining project in Australia.
- **Mr. Gray** has an intimate knowledge of the local mining industry and has dealt closely with major international mining companies operating in Indonesia and Australia. He has conducted a substantial amount of technical and operational studies at both large and small Indonesian Mines. He currently commutes between Indonesia and Australia.
- **Mr. Gray** holds a Diploma in Engineering from Doncaster College of Mines, UK and is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM).

RIANDI RACHMAWAN



Project Manager

- **Riandi Rachmawan** has been working in the Mining industry for over 9 years. He has significant experience in the field of Mine Planning and Mine Operations. He previously worked for Geomechanics Laboratory ITB, PT Arutmin Indonesia and PT Britmindo. He has undertaken works at PT Newmont Nusa Tenggara. Recently, he undertook works as an External Professional Consultant working in conjunction with AT Kearney Indonesia. He has also undertaken mine improvement work at an Australian Coal Mine.
- During this time, he has been significantly exposed to numerous major mining technical studies, mine planning projects, mining economical evaluations, mining project improvement, and JORC and KCMI reserves assessments. He has experiences in the use of most major pit optimisation software, mine planning and scheduling systems.
- **Mr. Rachmawan** graduated from Bandung Institute of Technology, Bandung, Indonesia, majoring in Mining Engineering, He is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM) and is an Indonesian Competent Person of "Perhimpunan Ahli Pertambangan Indonesia" (CPI-PERHAPI), also registered as Professional Engineer at The Institution of Engineers Indonesia (PII)

THE KEY TEAM

SAJA GUSTIA



Mine Planning Manager

- **Saja Gustia** has been working in the Mining industry for over 13 years. He has significant experience in the field of Mine Planning and has worked for PT Sapta Indra Sejati, PT Thiess Contractors Indonesia, PT Britmindo, PT Runge Indonesia and Thiess Australia Pty Ltd in Brisbane, Queensland.
- During this time he has had significant exposure to numerous major mine design projects, mine scheduling and evaluations of coal reserves for a number of leading mining companies. He is experienced in the use of most major pit optimisation, mine planning and scheduling systems.
- Mr. Gustia graduated from Bandung Institute of Technology, Bandung, Indonesia, majoring in Mining Engineering, He is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM) and is also registered as Professional Engineer at The Institution of Engineers Indonesia (PII)

GOLDEN R SIHOMBING



Sr Engineering Geologist

- **Golden Ricky Sihombing** has been working in the Indonesian Mining industry for over 10 years and has significant experience in the field of Exploration and Resources Assessment. he has worked for PT Mandiri Sumber Perkasa, PT Surya Metro Persada Group and PT Stania Bara Consulting.
- During his career, he has either managed or contributed significantly to numerous exploration programs for coal, nickel, and gold, coal mapping, well site management , geological modeling, estimations and evaluations of coal resources at many projects. He is experienced in the use of geological database and modeling systems.
- Mr. Sihombing graduated from Padjadjaran University, Bandung, Indonesia, majoring in Geology.

THANK YOU