



CSA Global

Mining Industry Consultants
an ERM Group company



About CSA Global

CSA Global delivers trusted technical services, training and independent advice to public and private mining companies, governments, industry associations, financial and legal groups around the world.

We are fully supported by our parent company ERM, a leading global provider of environmental, health, safety, risk, social consulting services and sustainability related services.

Collectively, we have more than 5,500 people in over 40 countries and territories working out of more than 160 offices globally who are helping us to deliver innovative solutions to help our clients manage and understand their sustainability challenges.

CSA Global specialises in:

-  CORPORATE
-  MINING
-  RESOURCES
-  EXPLORATION
-  DATA & TECHNOLOGY
-  WATER

info@csaglobal.com



csaglobal.com

January 2021



CSA Global (an ERM Group company) is a mining and geological consulting company providing strategic services and advice to companies in the international mining industry.

We have more than 35 years international experience across mineral commodities with offices located in Australia, Canada, Indonesia, Singapore, South Africa and the United Kingdom.



CSA Global offers integrated and comprehensive services across the entire life cycle of a mineral asset - corporate, mining, resources, exploration, technology, and water solutions to the international mining industry.

Our highly experienced teams provide honest insight and produce optimal outcomes for the international mining industry. Using our expertise, you can take your project from a concept right through to discovery and then onto development and operating mine.

CORPORATE

We draw on the collective experience of our principal consultants and trusted associates who have been involved in a diverse range of projects, across various mineral commodities and regions. We provide corporate advice in all practice areas to companies with projects at mining, development, evaluation, and exploration stages.

We offer a full and frank analysis of relevant considerations and possible impacts on project viability, given a range of situations. Our teams focus on the key issues that drive successful projects and seeks to impart the knowledge and confidence necessary to reach a final investment decision. Our advice is based on a unique understanding of international reporting codes, valuation methods, project review and due diligence techniques, and the requirements of independent experts. We assess the value, options and risks associated with investment opportunities in the mining industry.

MINING

Our team recognises that the project concept is the foundation on which the detailed technical studies and the future success of a project rely upon. Our experts possess diverse international experience gained in senior operations and corporate management roles. We have expertise across a broad spectrum of mineral commodities, different physical environments, and mining/extraction methods.

This depth of knowledge enables us to deliver tailored, effective solutions so that we identify and investigate appropriate concepts for project development and support at every stage of the mining cycle. Our experts can develop detailed feasibility studies, technical due diligence and conduct time and motion analyses to enable operational improvement.

RESOURCES

Our experts comprise a mix of experienced operational personnel and experts in the fields of exploration and mine geology, data verification, QAQC, geostatistics, Mineral Resource modelling and estimation, risk analysis and independent reporting.

Our hands-on approach to assessing client's projects ensures that Mineral Resources and Ore Reserves are based on a thorough geological understanding and rely on data collected using appropriate practices. Our knowledge of mining and mineral economics has been cultivated from many years' experience servicing the mining community across most mineral commodities and helping our clients to optimise mine designs and plans based on sound geological knowledge and relevant engineering techniques.

EXPLORATION

With leading-edge techniques and technologies, our team provides a focused pathway to discovery and definition of Mineral Resources. Our exploration and project management expertise can take your property from concept to discovery and further using industry-leading thinking. We supply a complete set of exploration management services comprising planning, supervision, data collection, management, and reporting. If you require skilled field personnel, we can provide contract staff to assist your team and progress your project to the next level.

Our depth of knowledge and experience enables us to tailor a genuinely value-adding solution for each client's needs, whether first pass drilling or brownfields exploration at an operating mine.

Our consultants are industry leaders and provide unique insights on the best way to develop your project or to assess opportunities for project acquisition.

DATA AND TECHNOLOGY

We deliver a balanced mix of experienced geologists, GIS, database, and data specialists. Our team will assist clients in following structured data analysis and decision-making process to ensure database management and data information extraction are based on a thorough understanding of current industry trends.

Our knowledge of data and technology is combined with the best exploration and mining applications with access to powerful, cutting-edge tools to collate and manage your most valuable assets. Our specialists will provide advice on the implementation of technology solutions best suited to schedules and budgeting requirements. Our consultants provide the necessary skills development and training to optimise the use of these solutions across digital transformation in mining, depth of cover modelling, geometallurgy model creation, machine learning and artificial intelligence.

WATER MANAGEMENT

Our experts assist with all faces of mine water management which involves collection from initial pre-mining baseline data to ensuring regulatory compliance across surface water and groundwater aspects. We have decades of hydrology, hydrogeology, and geotechnical experience to help clients develop solutions for mine water management.

Our global specialists provide tailor-made solutions based on the key issues facing a mine site. No project, region or environment is too complicated. We have overcome challenges for finance companies seeking to review or report to meet due diligence requirements. These new mines require consultants capable of assisting with water supply, dewatering and surface water management or operational mines seeking to save money, improve efficiencies and become more sustainable.

