

BRIAN HALL

PRINCIPAL MINING ENGINEER

BEng (Mining) (Hons)
BCom
MAusIMM (CP), MIMMM (CEng)



EXPERTISE

Brian's major expertise is in all aspects of planning for underground metalliferous mining operations, including detailed mine designs, technical assessments, feasibility studies and strategic planning. He has experience in mine operations, mine planning and design, economic and financial evaluation and computer simulation of mining systems. His focus in recent years has been on the overall optimisation of mine plans and strategies in both underground and surface operations.

SUMMARY OF EXPERIENCE

Brian began his career as a Graduate Trainee with Consolidated Gold Fields Australia Ltd in 1973, followed by a permanent posting to Mt Lyell, where he gained practical and planning experience in production and development operations and underground infrastructure construction. He moved to Gold Fields of South Africa Ltd in 1977, spending two years at the West Driefontein Gold Mine and three years at the Black Mountain base metals operation, where he was closely involved in design and commissioning of a new mine, with several different mining methods and associated mine systems.

In 1982 Brian returned to Australia to Mount Isa Mines Ltd, where for 12 years he filled a number of roles, including Underground Manager in the lead and copper sections of the mine, Planning Manager and Chief Mining Engineer. He was responsible for the development of an in-house computerised mine planning system and spent a period of time as a business analyst. In senior technical roles he had involvement in a range of mining, mineral processing and pyrometallurgical systems.

Brian joined AMC in 1994. He has had experience in a range of activities including planning, design and scheduling, technical audits, strategic reviews, feasibility studies, cut off grade studies, mine strategy optimisations and computer simulations both in Australasia, Asia, Europe and North America. His expertise includes the application of advanced software tools such as stochastic simulations and genetic algorithms and other methodologies to enhance and extend simple spreadsheet modelling of physical and financial mine models. Brian has also developed and presented courses at undergraduate and postgraduate level at universities and provided technical training for technical and non-technical clients. Since 2001 he has presented workshops on project evaluation and cut off grade theory and practice, both publicly and in-house for clients.