

MIKE SANDY

DIRECTOR GEOTECHNICAL MANAGER PRINCIPAL GEOTECHNICAL ENGINEER



MSc (Engineering Rock Mechanics), DIC, BSc (Mining Geology) (Hons)
ARSM, MIMMM, FAusIMM

EXPERTISE

Mike's primary expertise is in Rock Mechanics (underground operations) including ground support design, rock mass characterisation, mining method selection and optimisation, extraction sequencing and applied numerical modelling. Mike also has extensive experience in underground mine planning and feasibility studies, mine geology, dewatering, diamond drilling strategies and management of mining technical research.

SUMMARY OF EXPERIENCE

Mike graduated with honours in Mining Geology from the Royal School of Mines in 1978. He worked at the Mufulira Mine in the Zambian Copperbelt for seven years where he was involved in the initial overcoring stress measurement program, stress change monitoring, pillar deformation and caving studies. He was also responsible for ground support. Mike returned to Imperial College and was awarded an MSc in Engineering Rock Mechanics in 1986.

In March 1987, Mike joined Mount Isa Mines Ltd where he worked for eight years in positions ranging from Rock Mechanics Engineer during the development of the Hilton Mine, to Mining and Engineering Research Manager. Mike also spent two years at Hilton as Planning and Geology Manager, which included prefeasibility studies for the George Fisher project.

In January 1995, Mike joined AMC as a Senior Geotechnical Engineer. He consults to a wide range of mining projects in Australia and overseas, ranging from sub-level caving and large scale open stoping, to narrow vein airleg operations. He has extensive experience in geomechanics at an operational level, including ground support design, stope and pillar design, mining method selection, ground conditions assessment and ground behaviour monitoring.

Mike has travelled extensively in his career including reviews of mining projects in Canada, Ireland, Sweden, Chile, China, Indonesia, the Philippines, Turkey, South Africa, Zambia, Tanzania, Mauritania, Ghana, Russia & the USA.

He has conducted rock mechanics and mine design reviews of several large scale open stoping operations, e.g. Olympic Dam, Mt Isa - 3500 orebody and George Fisher, St Ives Gold Mines and Mindola. Caving studies have included Big Bell (SLC), SOB Synclinorium Nkana (Mopani, SLC), Northparkes - Lift 2 (block caving), Argyle Mudrush Potential (BC and SLC), Didipio (BC/SLC), Akwaaba (SLC) and Afton (BC). High level reviews have been conducted of Bingham Canyon (BC), Resolution (BC), Oyu Tolgoi and Grasberg Block Cave.

Mike's full resume is available upon request.