



Geomechanics

AMC the business of mining

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Geomechanics

The role of geomechanical expertise is taking on increasing importance in global exploration and mining operations as the trend towards more difficult mining conditions escalates.

AMC's geomechanical expertise covers the full range of mining methods and deposit styles from small-scale, selective narrow vein mines to the world's most productive bulk mining operations. AMC provides open pit consulting services for pitwall stability, material excavation and underground mining interaction. We can help you to maximise the potential of your project and support your existing operations through practical, sound rock mechanics advice.

Our unrivalled operations experience ensures that we can work closely with your organisation at all levels. Most of our senior engineers have held senior technical and executive roles at major mining operations and understand the requirements for success.

The geomechanical staff include some of the world's leading experts in open stoping, caving and narrow vein mining methods.

We are competent users of all major stress analysis programs including MAP3D, 3D Finite Element codes and discontinuum methods (UDEC, 3DEC). We can provide cost-effective, objective advice on your numerical modelling needs.

AMC can assist you to develop properly-focussed monitoring programs to optimise ground support, stope design, extraction sequence and pillar recovery. Our microseismic monitoring experience combined with our numerical modelling expertise can help you to develop strategies for managing high stress conditions.

Like to learn more?

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