



# Mining

AMC the business of mining

[www.amcconsultants.com.au](http://www.amcconsultants.com.au)



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**AMC's mining expertise covers surface and underground mines, and commodities from base metals to gold, iron ore to mineral sands and coal to diamonds. We have a track record of assisting to develop new mines on time and within budget.**

Our consultants combine excellent academic qualifications, practical experience gained at the mine site and a commitment to providing our clients with attentive and expert consulting services. At any one time, a third of our consulting team may be working with clients on a mine site.

## Underground

AMC's underground team specialises in all aspects of underground mine planning, production and technical assessments. This includes specialists with technical and operating experience in mass mining methods such as caving. AMC's services address all the stages of an operation's life from exploration through operations to decommissioning, providing detailed designs and schedules and offering ongoing operational support. We can expand clients' technical teams when required, providing capacity to optimise performance and flexibility. We utilise the latest industry software to further enhance our capability.

## Surface

Taking in all aspects from pit optimisation and design through to ongoing management, AMC's surface services provide clients with expert advice and hands-on assistance with operational functions covering stability, excavation, interaction with underground activity, contingency planning and recovery operations.

## Mine Planning

AMC applies technical excellence with experience gained in more than 20 different countries at hundreds of operating locations to its complete mine planning consulting services.

We have developed and refined a methodology that is built on seven key areas – experience, data gathering analysis and interpretation, strategic planning, operational planning, drafting services, simulations and scheduling.

Over the past two decades, AMC has provided a wide range of planning services to nearly every mining company in Australia and to many others around the world.

## Ventilation

Inadequate ventilation causes delays resulting in reduced production and increased operating costs. AMC's specialist ventilation capability addresses ten key areas including planning advice, fan tests, underground surveys, ventilation surveys, ventilation simulations, fan specification, heat simulation, dust extraction, raise water and training.

We have developed computer simulation models for more than 50 mining operations globally, ranging in scale and complexity from simple series circuits with less than 100 airways through to more complex models with over 3,000 airways and 30 primary circuit fans.

## Backfill

Since 2000, AMC has completed more than 50 backfill projects for some of the largest mining companies in Australia and globally. Over this time we have witnessed a dramatic increase in the quantity of backfill placed in underground mines around the world.

Properly engineered backfill will play an increasing role in ensuring the future safety, stability and profitability of the global mining sector. Poor decisions and sub-standard operating practices can be extremely expensive – strategic decisions based on expert external advice and ongoing support are essential to meet operating objectives and minimizing costs.

**Like to learn more?  
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