AMPS
ADVANCED MINING PRODUCTION SYSTEMS

TAKE YOUR ENGINEER'S SKILLS TO THE NEXT LEVEL

DRILL & BLAST OPTIMISATION

This course is designed to equip D&B engineers with the skills and knowledge to address D&B problems encountered within underground mining.

They will learn how to critically assess common problems encountered in an underground production engineering role, apply strategic thinking to identify solutions, and optimise production methods.

ADVANCED DRILL & BLAST PRINCIPLES
Plan and design D&B plans using basic principles and practical considerations.

STOPE DESIGN & OPTIMISATION
Identify design parameters and optimise a stope to maximise its profitability and performance.

REPORTING & DOCUMENTATION
Learn the importance of stope planning, data tracking, management and reporting.

FEES & REGISTRATION

- 1-2 people from the same mine - $3,500/pp
- 3+ people from the same mine - $3,400/pp
- Fee includes: the course, course facilities, course materials, lunch & refreshments.
- Accommodation is not included in this fee.

📞 1300 885 404

✉ training@advancedmps.com

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DRILL & BLAST OPTIMISATION

3 DAY TRAINING COURSE

DAY 1

MINING METHODS AND FUNDAMENTAL PRINCIPLES
- Roles and responsibilities
- Stope process flow
- Basic mining extraction methods overview
- Legal and safety
- Equipment and tools

PRODUCTION RING DESIGN AND BLASTING
- Drill & Blast concepts
- Drill designs
- Ground support

DAY 2

STOPE DESIGN AND OPTIMISATION
- Stope shape
- Stope planning & design
- QA/QC
- Reconciliation
- Mine design economic considerations
- Importance of
- data/physical tracking
- Management and reporting
- Documentation and maintaining naming conventions

DAY 3

ADVANCED DRILL & BLAST PRINCIPLES
- Timing and sequencing
- Slashing design
- Design a working plan from set parameters

ADVANCED STOPE DESIGN AND OPTIMISATION
- Complex stope design
- Mining economics
- Charging risks and considerations
- Backfill considerations and complications