

AEGIS

Automated Underground Drill & Blast Solution

WHO USES PRODUCT:

- ✓ Drill & Blast Engineers
- ✓ Mine Planning Engineer
- ✓ Mining Consultants

By utilising Aegis solutions, we guarantee at least a 5x increase in ring planning productivity over the current generation of ring planning tools.

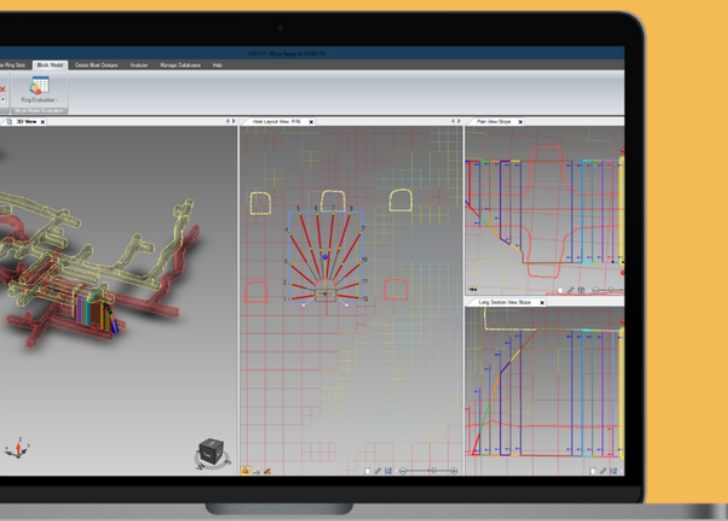


AEGIS

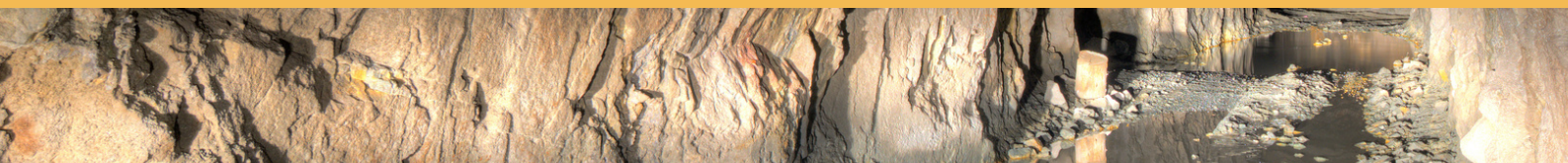
Aegis is the next generation in underground blasting software providing interactive, automated underground drill and blast design. Aegis' unmatched software enables mines to improve effectiveness and efficiency through a proprietary break model, meaning your engineers can now spend time engineering the blast instead of drafting.

How Aegis Works

- Aegis software enables mines to improve effectiveness and efficiency through a proprietary break model which can determine the most appropriate blasting design given the rock properties, explosive properties, and shockwave attenuation characteristics.
- The concept behind this unmatched model aims to engineer a blast that produces a fragmentation distribution enabling our clients to bypass crushing procedures and reduce energy expenditure during grinding operations.
- The blasting operations are now seen as the inaugural phase in the milling process, ensuring consistent and foreseeable fragmentation outcomes on every occasion.



Helping underground hard rock miners excel at drill and blast planning through unique software solutions.



AEGIS DESIGNER

Aegis Designer is a comprehensive ring design generation tool allowing planners to create and compare stope designs in seconds.

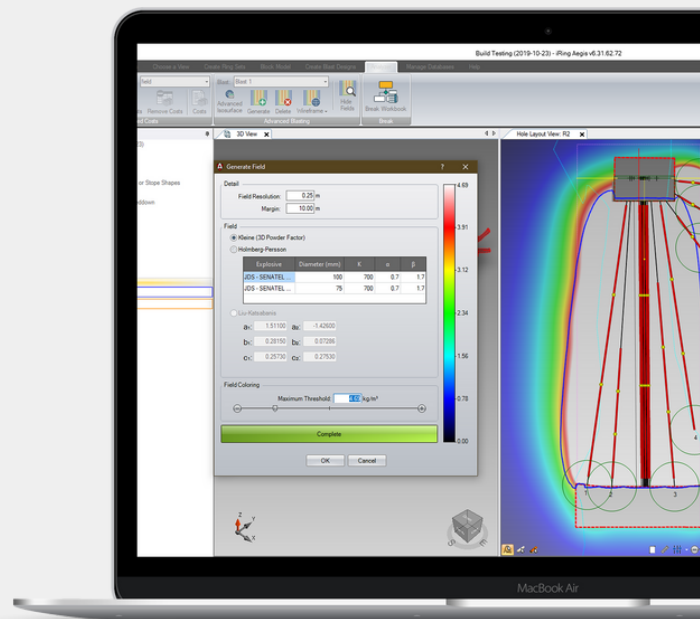
With one unified platform, Aegis Designer allows you to create tailored solutions for drill and blast designs, assign costs to processes, and associate predicted fragmentation with a blast.

AEGIS ANALYZER

Aegis Analyzer is a powerful analysis tool helping you get your blast design right the first time. It allows you to compare several approaches to the same problem using peer-reviewed analysis models with the click of a button.

Aegis Analyzer provides planners the ability to see the effects of explosive and rock properties on underground ring blasting outcomes, effectively adapt to changing market conditions, and generate plans for several different ore grades.

- ✓ Dynamic Ring Generation
- ✓ Visual and Intuitive Interface
- ✓ Block Model Integration
- ✓ Powerful Reporting Tools



HIGHLIGHTS



AUTOMATICALLY LAY OUT YOUR STOPE USING USER-DEFINED BLASTING PARAMETERS.



STORE DRILL RIG, ROCK TYPE, EXPLOSIVES, AND MINE DATA FOR HISTORICAL REPORTING IN A DATABASE.



DESIGN AND SEQUENCE SLOT RAISES WITH THE DROP RAISE EDITOR AND INSERT INTO THE DRILLING PLAN.



TRANSFER DATA ELECTRONICALLY TO DRILL RIGS USING IREDES PROTOCOL.



AEGIS BREAK ANALYSER TRANSFORMS UNDERGROUND BLASTING INTO PRIMARY CRUSHING, REDUCING RELIANCE ON EXPENSIVE CRUSHERS.



ADJUST YOUR STOPE WITH EASE, FROM ENTIRE SECTIONS TO INDIVIDUAL HOLES AND CHARGES.



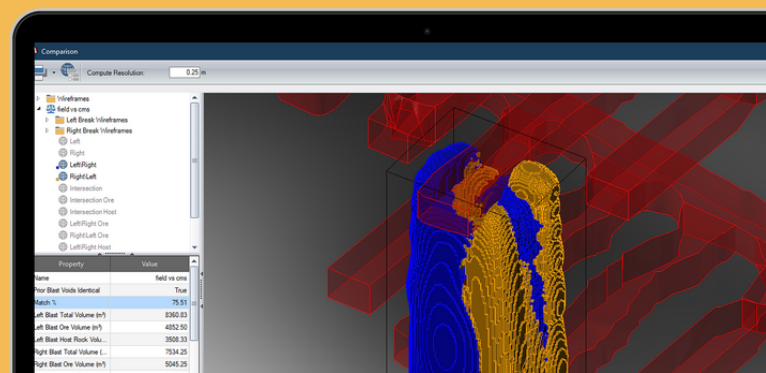
STORE DRILL RIG, ROCK TYPE, EXPLOSIVES, AND MINE DATA FOR HISTORICAL REPORTING IN A DATABASE.



CUSTOMISE AND PRINT DRILLING AND CHARGING REPORTS AND LAYOUTS.



CALIBRATE EXCAVATION BREAK LIMITS WITH KLEIN, HOLMBERG-PERSSON, OR LIU-KATSABANIS ALGORITHMS.



KEY BENEFITS



FAST AND REPEATABLE

Automated processes with user input parameters to ensure consistent designs to site standards.



INTEGRATED SOLUTIONS

Connect data sources with Studio UG mine planning and geological evaluation software.



COMPARE SCENARIOS

Quickly generate ring layouts and charging patterns to compare cost, dilution, and break.



INTUITIVE AND VISUAL INTERFACE

Navigate easily with large visual buttons and a simple interface for quick use.



ANALYSE AND IMPROVE

Tools designed to improve blasting results and decrease costs.



CONTACT US



www.dataminesoftware.com

AUSTRALIA | BRAZIL | CANADA | CHILE | CHINA |
ECUADOR | GHANA | INDIA | INDONESIA |
KAZAKHSTAN | MALAYSIA | MEXICO | MONGOLIA |
PERU | PHILIPPINES | SOUTH AFRICA | TURKEY |
UNITED KINGDOM | USA