DATAMINE

DATABLAST

Drill & Blast Solution

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Improve your blasting
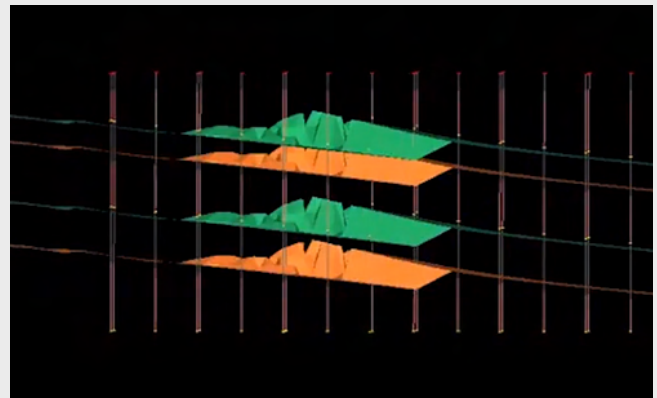productivity, quality
& governance

WHO USES DATABLAST:

- Drill & Blast Engineers,
  Supervisors, Managers,
  Specialists
- Mining Engineers
- Drill Operators
- Blast Operators, Crew
- Data Entry Clerks
- Technical Services

DATABLAST

DataBlast is a multi-user system that combines intuitive design tools with secure data management. Drill and blast engineers often face the issue of using tools that aren't tailor made for them. DataBlast, however, is a dedicated tool specifically developed to centralise drill and blast operations.

DATABLAST CONSISTS OF 6 MODULES:

- Design Module
- Drill Module
- Measure Module
- Charge Module
- Initiation Module
- Reporting & Analytics Module

TYPICAL PROBLEMS FACED

- Drill and blast engineers are too time poor. Spending too much time on designs and not on improvements.
- Due to time constraints, blast designs and outcomes aren't fully optimised.
- Difficulty in using drilling and QAQC data as it is often in paper form/multitude of spreadsheets/not collected at all.
- Needing to transfer designs to a separate package for timing design.
- Spending excess amounts of time consolidating data for reporting.
- Difficulty identifying accuracy of implementation to make informed decisions on design changes.
- Wanting to modernise operations but are limited by current tools.

HOW DATABLAST SOLVES THIS

- Optimised UI with the workflow of drill and blast personnel in mind.
- All design and actual field data is stored centrally, securely and ready for easy access.
- Encompasses the entire process i.e. design, monitor and capture drill and QAQC data, create Charge rules and apply to holes, capture charge data, create initiation designs and export.
- Many data capture methods in DataBlast flexibly fits each site.
- Automated Charge calculations ensure consistency in load requirements.
- Automated data flow between modules for use in each drill and blast function.

BUSINESS BENEFITS

PRODUCTIVITY

Optimise blasting outcomes with DataBlast. We give you the tools to closely manage and respond to changes in the field. Transfer work instructions and field observations electronically to minimise mistakes and deliver information to the right people instantly. Use the reporting features to track results over time and improve dig rates and fleet productivity by consistently delivering the right fragmentation.

QUALITY

Rapid, error-free electronic transfer of information between engineering and operations reduces errors when drilling and charging holes. Any variance or observation is electronically logged and delivered back to the master database. At each stage of the process, the drill and blast engineer has an opportunity to adjust the plan and still deliver the desired blasting outcome.

GOVERNANCE

The DataBlast system is built on the foundation of a single central database. All data for current and previous blasts is stored and retrievable through standard and ad-hoc reports. The inventory module allows you to track explosives through the magazine and assign products to specific blasts. DataBlast is a transparent and auditable record of all blasting activities on-site for the life of your mining operation.

CONTACT US

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