

HEXAGON MINING

SHAPING SMART CHANGE FOR THE LIFE OF YOUR MINE



Minjng Magazine

Search here ...



FREE TRIAL

NEWSLETTER

SUBSCRIBE ▾

LOGOUT

Home Insight Opinion Development Management Services **Equipment** Technology Resources Print Editions

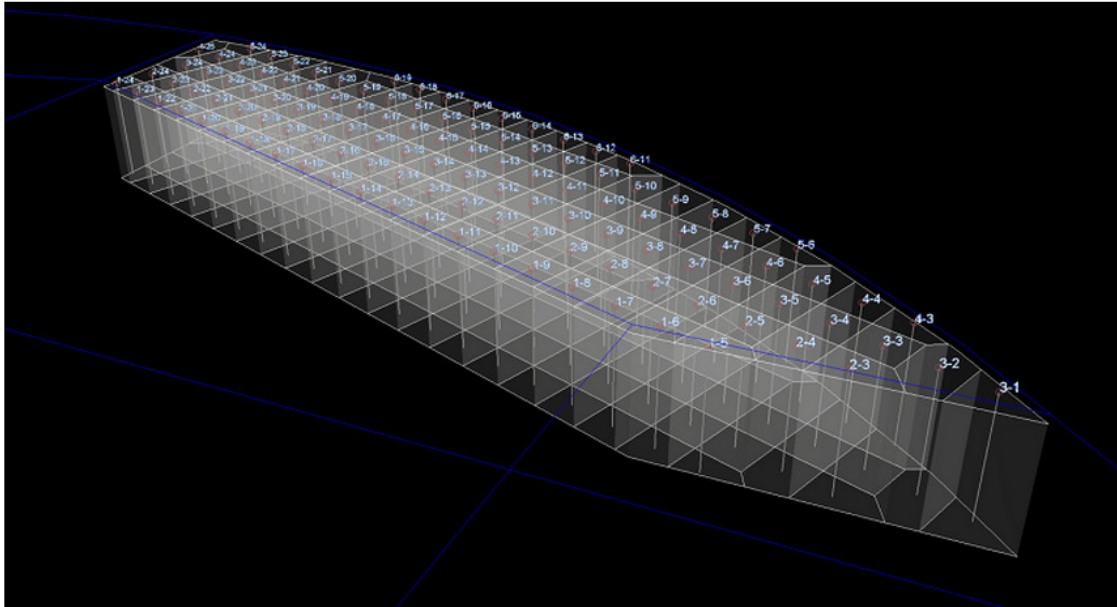
Bulk handling | Comminution | Drill and blast | Exploration | Fluid handling | Load and haul | Mechanical cutting | Mine development
| Mineral processing

Home > Drill and blast > Hexagon announces HxM Blast

Hexagon announces HxM Blast

Hexagon stated that its new HxM Blast drill and blast management utility will revolutionise the design and execution of drill and blast plans from within MineSight 3D

Mining Magazine | 09 Feb 2015 | 14:22 | News |



Viewing volume of influence solids and polygons will be among the display features in HxM Blast

Using one interface, users can design drill patterns, apply blasting parameters to holes and do the tie-in of a shot. Getting the blast right will benefit other mining processes; the company stated that HxM Blast will give users more control over the design, management and reporting of drilling patterns.

HxM Blast features a modern interface that mirrors the look and feel of MineSight's newest products. It will design and manage drill and blast patterns interactively on screen while storing all of the design (and actual) information in a SQL database.

Mark Gabbitus, MineSight senior product manager – operations and geology, said: "Hexagon Mining Blast will redefine blasting. A bad blast can undo all of the good work done by geologists and engineers to

Related content

- [MineSight to introduce MineSight Blast](#)
- [A deeper design](#)
- [MineSight improves Ring Design tool](#)
- [Strong, stable and straight](#)
- [Hexagon unveils its vision for mining](#)

More from this section

- [New undercarriage for Cat MD6640 drill](#)
- [Cat drills set operating records at Ravensworth](#)

LATEST NEWS

COLUMNS

MOST POPULAR

[Hexagon Geospatial partners with MineSpace](#)

[Latest in shaft sinking for Murray & Roberts Cementation Training Academy](#)

[Bentley updates AssetWise](#)

[view more](#)

Let FLSmidth help you **MAXIMIZE** performance.



Get Mining Magazine newsletter

Enter your email



Company Profiles



Polymetal secures acquisition of Kyzyl project

Polymetal will take advantage of competitive advantages in process technology to create value from its latest acquisition, the Kyzyl gold project in Kazakhstan.



International Call for Expressions of Interest relating to 3 bauxite blocks located in the prefectures of Boffa, Boké a

develop a robust block model and mine plan. So it is vitally important that the blast design and execution minimises error and interprets the effects when things do not go to plan.”

- [Orica to launch wireless blasting this year](#)

Several factors affect the quality of a blast. The geology and geotechnical characteristics of the rock are unchangeable, but the blast pattern parameters, such as hole spacing, depth, diameter and amount/type of explosive used, can be modified. The ability to change these parameters dynamically in response to as-drilled information is critical to achieving good fragmentation.

Direct links to drill fleet management and explosive vendor systems are designed to enable easy automation of data transfer between the design tool and the operators. Users can see what’s happening in the pit in near real time and make intelligent business decisions.

HxM Blast can work with existing pattern polygons already created in MineSight. In addition, new ones can be digitised on the fly within the program. It includes simple editing functions and templates for the design and naming of patterns. Setting the drill hole spacing and burden is dynamic, making it straightforward to customise the patterns to a user’s particular needs.

An HxM Blast database stores data, making it easy for the software to ‘talk’ to MineSight’s drill hole management and scheduling products. For example, once a blast layout has been designed, the drill holes can be stored back to a MineSight Torque database. Other users will always have the most up to date information about a specific blast. It also makes it easy to reopen a pattern again, charge holes, and save again in the database.

HxM Blast links directly to the Gantt scheduler, MineSight Atlas, so mine planners can update their schedule based on actual drilled metres to get more accurate activity durations. Additionally, HxM Blast allows users to compare designed drill holes to actual drill holes, giving decision-makers the information necessary to adjust blasting plans accordingly.

Notably, HxM Blast empowers engineers to design production shots and pre-split patterns simultaneously using substrings. This will replace the time consuming process of manipulating string and polygon.

HxM Blast removes the uncertainty of calculating the volume of a blast. With the visualisation options showing the area and volume of influence, it is simpler to predict the result before the blasted earth is removed.

Reporting in HxM Blast helps the understanding of patterns, and optimises and tracks the use of explosives. Advanced analysis tools allow information from drill holes to be stored and used to create estimates of how further blasts will result. Fragmentation analysis assists in the identification of any problems, saving time and increasing production performance. Current MineSight users will be familiar with the reporting and exporting options, because they are consistent with other MineSight products.

Future releases of HxM Blast will include blast simulation, analysis, and optimisation to reduce the workload on drill and blast engineers. They will be able to change or optimise blasting parameters at critical stages.

HxM Blast will be released in a phased approach, with Version 1 set to include enhanced drill pattern design features, such as offset rows, volume of influence solids and naming rules. Versions 2 and 3 will see the addition of blast design tools, pattern tie-in options (manual and automatic) along with simulation and optimisation options.

Guinea intends to launch, pursuant to the mining Code, a competitive and transparent invitation to tender for three bauxite mining blocks located in the prefectures of Boffa, Boké and Téliélé.

[view all Company Profiles](#)



Professional Placements



Senior Principal Resource Consultant / Principal Resource Consultant

Perth, Brisbane and other global locations

We are currently seeking Senior Principal Consultants and Principal Consultants to join our respected team of resource estimation and geology consultants.



Mitsubishi Chair in Sustainable Mining Practices

Sydney, Australia

Seeking an academically qualified, committed and experienced individual with strong management, academic and research credentials.

[view all Jobs](#)

Tags: [blasting](#), [data](#), [data management](#), [drilling](#), [fragmentation](#), [HxM Blast](#), [software](#)

Company: [Hexagon Mining](#), [MineSight](#)

