BlastMetriX 3D BlastMetriX UAV

BlastMetriX 3D 4.7 - Release Notes

BlastMetriX 3D 4.7 is a major release focussing on visualisation and analysis of borehole survey data. The new features allow the localization of boreholes deviating from a regular drill pattern and highlight boreholes showing peculiarities in "Measure-While-Drilling" recording. With the new import tool of geologic mapping data from the ***JMX Analyst***, the ***BMX BlastPlanner*** combines blast planning and design with geological assessment of the rock mass and closes the gap between geology and blasting.

General

- 3D navigation features using arrow key for a continuous zoom in the viewer

- Extended configuration for velocity, acceleration, pressure, force, flow, power and rotational speed in the central window settings
- Checkboxes for the visibility of 3D models in the viewer available in all software components

BMX BlastPlanner

- **New!** Analysis and colour-coded visualisation of distances between individual boreholes and rows at specific user defined heights in a plan view

- **New!** Visualisation of deviations in the drill pattern in a "Heat Map"

- **New!** Customized import of borehole survey data according to the IREDES standard

- **New!** Import and visualisation of measure while drilling (MWD) data

- **New!** Deviation analysis of measure while drilling data and highlighting of peculiarities and associated boreholes in the software

- **New!** Import of mapped discontinuities in the *JMX Analyst* and visualisation of intersections with boreholes in the minimum burden diagram

- Keyboard shortcut "*M*" for drawing mucklines

- Advanced report including MWD plots

- Specification of the drill pattern´s total area in the interhole distances dialog

BMX Inspector

- **New!** Analysis and colour-coded visualisation of distances between individual boreholes and rows at specific user defined heights in a plan view

- **New!** Visualisation of deviations in the drill pattern in a "Heat Map"

- **New!** Visualisation of measure while drilling (MWD) data

- **New!** Deviation analysis of measure while drilling data and highlighting of peculiarities and associated boreholes in the software

- **New!** Visualisation of mapped discontinuities in the *JMX Analyst* and visualisation of intersections with boreholes in the minimum burden diagram

- Specification of the drill pattern´s total area in the interhole distances dialog

BlastMetriX UAV 4.3 - Release Notes

BlastMetriX UAV 4.3 is a major release focussing on visualisation and analysis of borehole survey data. Next to enhancements in **SMX MultiPhoto**, a new mode for volume estimations specially designed for underground applications is now available in the **SMX VolumeCalculator**. The **BMX Fragmenter** is available in dark theme design and has a new design with newly shaped icons. All improvements and new features mentioned in the **General** software, **BMX BlastPlanner** and **BMX Inspector** are also included in the UAV package.

SMX MultiPhoto

- **New!** Generation of a 3D model with reduced data density (coarse 3D model)

- Export of the coarse 3D model as ".obj"

- Enhancement for confining the reconstruction area to a region of interest by providing the coarse 3D model in the viewer

- Configurable ".obj" export (point density, export of co-ordinates)

SMX VolumeCalculator

- **New!** Additional mode *Underground* to estimate volumes by the generation of a "watertight" mesh. The mode is specially designed for underground applications.

- Improved error analysis and warnings

BMX Fragmenter

- **New!** Available in dark theme mode

- Redesigned user interface with newly designed icons to fit both the original and the new dark theme design

- Features for enabling mouse navigation in the stereo view

- Specification of the total and analysed area in the report

- Improvements in editing particles

Interhole Distances

Row Distance "Heat Map"

MWD Plot