

2.1

- New** BlastMetriX 3D is released with 64-bit applications only
- New** Multiple connected dongles are supported
- New** Option to set the displayed texture resolution for the 3D viewer
- New** Backup/restore functionality for license data
- New** 'Clean up' button for removing temporary data only if 3GSM cache directories are found
- New** Introduction of north direction by compass reading
- New** Output of critical depth, i.e., the borehole depth showing the absolute minimum burden
- New** Import of borehole deviation surveying probe, including Pulsar and Boretrak systems
- New** Automatic continuation of reconstruction: dense reconstruction is automatically launched after coarse reconstruction after a user-defined time (MultiPhoto)
- New** Three different reconstruction modes: Fast, Normal, and High (MultiPhoto)
- New** User-defined limit of generated points for the final reconstruction (MultiPhoto)
- New** User-defined stereo set-ups can be added to an existing 3D reconstruction (MultiPhoto)
- New** 3D model view for a better localization of the reference images (MultiPhoto)
- New** Defines and edits borehole collar positions on reconstructed 3D images; collars can be directly loaded into BlastPlanner (BoreholeFinder)
- New** Importing borehole rows from ".csv" files allows adding boreholes to the existing drill pattern (BlastPlanner)
- New** Rows can be added to an existing drill pattern (BlastPlanner)
- Enhanced** More flexibility in changing the drill pattern, including combined plot showing a plan view and individual profiles simultaneously, multiple selection of boreholes, and common change of borehole attributes such as inclination, azimuth, or position
- Enhanced** Import of borehole data in CSV format
- Enhanced** Speed improvements, utilizing the capabilities of DualCore processors

- Enhanced** Higher quality of 3D image reconstruction (MultiPhoto)
- Enhanced** Reference points are saved in the correct sub-image and are shown again after loading (Normalizer)
- Enhanced** Drastic improvement of 3D mesh generation
- Enhanced** Better handling of operations that require administrator privileges, such as the installation of license or calibration data
- Enhanced** Multiple calibration files can be installed and removed at once
- Enhanced** More feedback during trimming (SurfaceTrimmer)
- Enhanced** The description of the Blast Site can be edited directly from the printing/exporting dialog (BlastPlanner)
- Enhanced** The set borehole inclination is saved (BlastPlanner)
- Enhanced** Even rows in staggered drill patterns with a row shift greater than 0 no longer extend beyond the width of the first row (BlastPlanner)
- Enhanced** Azimuth of boreholes is now displayed as 0-360°, whereas in older versions it was shown as -180° to +180° (BlastPlanner)
- Note** Reference points from previous versions are no longer imported (Normalizer)
- Note** A dongle update is required for most users before installing BlastMetriX 4.1 to apply all new functions to the software

2.0

- New** The system now uses four marking elements: two so-called delimiters that mark the top level of the bench face, a reference line, and two range poles that mark the bottom level and provide scale
- New** Introducing the minimum burden diagram showing the minimum distance between borehole and free surface in any direction
- New** Color-coded visualization of burden over the whole bench face area easing the identification of problematic areas
- Enhanced** Free definition of borehole line in relation to the reference line defined by the location of the delimiters
- Enhanced** Free definition of borehole positions by co-ordinates related to the reference line
- Enhanced** Lateral movement of boreholes
- Enhanced** Sectional area between borehole and free surface
- Enhanced** Extended information within printed report