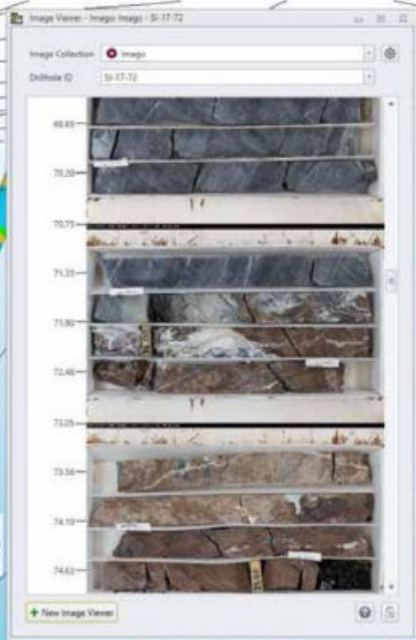


Hexagon's MinePlan still improving with age after half a century!



Hexagon is a global leader in sensor, software and autonomous solutions. The company's mine planning software, HxGN MinePlan turns 50 this year with a raft of new features and functionality, plus improvements in performance and interface.

MinePlan 3D (MP3D) is the foundation of the mine planning suite and visualizes output from all MinePlan solutions. Its core functionality includes creating and manipulating 2D and 3D data, editing, querying, and plotting/display of all types of geology and mining data.

In the latest version of MP3D, Hexagon has added functionality to the Help menu to assist users with troubleshooting and sharing information with technical support. A log folder can be created to store log files, which can be easily found and shared. This is extremely useful for troubleshooting issues.

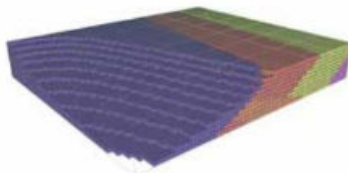
Users can also now code their drillhole sample site custom fields from solids or polygons. Geometric information can easily be stored into collar information through the Drillhole View editor. After coding, users can color

their drillhole traces by these attributes that are stored in the collars.

Sub-blocked models can be viewed as blocks in 3D and as filled polygons in 2D! This is a great visualizing tool that shows exactly where every sub-block is in space and allows users to set attributes to each block by the items stored in it.

Hexagon has improved its already powerful scheduling tool, MinePlan Schedule Optimizer (MPSO). Users can import their opening stockpile balances from CSV and use the Comparison Tool to compare as many MPSO projects side by side.

Performance has improved by up to 10 times using a wide array of real-life data in Hexagon's GeoLogic solution. New



interface functions improve the workflow, such as the ability to turn off country rock creation. Validation for data and for the user interface is a great addition to this tool.

Users can view their downhole core images directly in MinePlan Drillhole Manager with the new Image Viewer.

This tool allows you to quickly and easily revisit the visual data from the field to validate and interpret the data. Hexagon worked closely with Imago to develop a unique way to display this information for all drillhole views (including acquire) and for 3D and 2D Views.

New hyperlink support is available and allows users to open any local or network files that are supported by Microsoft Windows (media files such as videos and images as well as documents such as Excel, Word and PDF).

Watch an overview video of all these updates at <https://www.youtube.com/watch?v=exaLnG0bZZE>

Expect more MinePlan improvements from Hexagon during 2020.