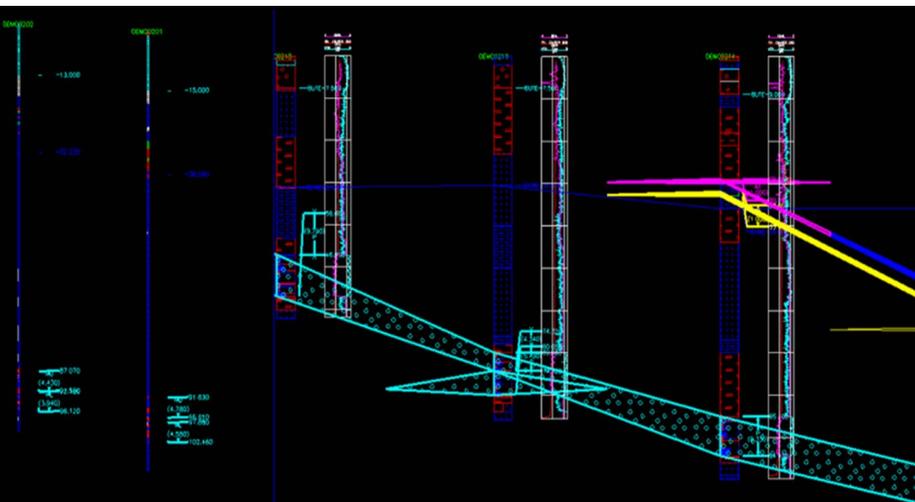


INTELLIGENT MINING SOLUTIONS

MineScape

Geological Database (GDB)



MineScape's GDB is designed to store drill hole, blast hole and point data that can be accessed, maintained and modified collaboratively by staff from any location, such as a mine site or a corporate office, from any machine with a TCP/IP connection available.

Based on the powerful Oracle® platform, GDB uses Oracle RDBMS, which also enables any third-party product, such as Microsoft® Excel®, to access the database by ODBC connection.

Flexible

GDB can store any type of data from multiple coal or metalliferous projects in a single database. The structure is flexible enough to suit any data storage requirements. Standard CoalLog structures are available and supported natively, as well as the standard GDB templated database structures.

Accurate

GDB provides extensive validation tools, including numeric range, dictionary code, downhole and stratigraphic rule checking to ensure that database

integrity is maintained. This also provides consistency within the organization to help comply with corporate and/or statutory standards.

Geologists can also perform seam lithology correlations and update their datasets graphically, by correlating with downhole geophysics for single or multiple holes simultaneously while in a sectional view.

Interactive

GDB will store all manner of data, including drill hole collars, survey data, detailed lithology logs, geophysical and geotechnical data, sample dispatch advice, coal quality and washability, and assay data. Users can also rapidly generate graphical logs, sections and profiles in either 2D or 3D space, and also create composites of ply samples across a geological unit, such as a coal seam or user-defined quality horizons.

Secure

Through a system of user roles, logins and passwords, GDB ensures that unauthorized users cannot update the database. It also provides a full audit trail to ensure that data is not only securely protected but also that any changes are measurably tracked. Entries to the database validate against a code dictionary, and tracks changes to the database including the dictionary and third-party applications.

Integrated

GDB integrates seamlessly with other MineScape plug-ins, particularly MineScape Stratmodel and Block Model, so that drill hole data stored in the database can be modeled directly from the database. This ensures that modeling activities access the most up-to-date and correct information, giving users confidence that their model is as accurate as it can possibly be.



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