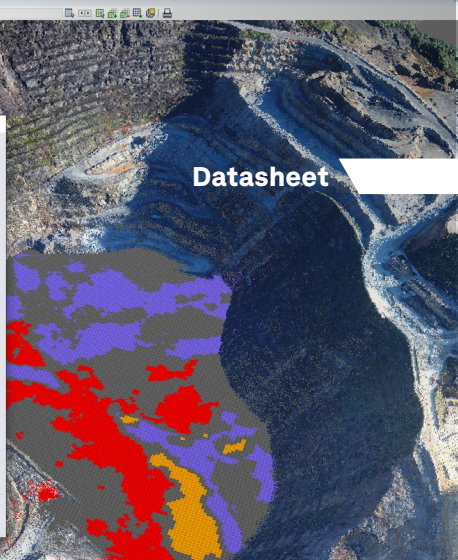
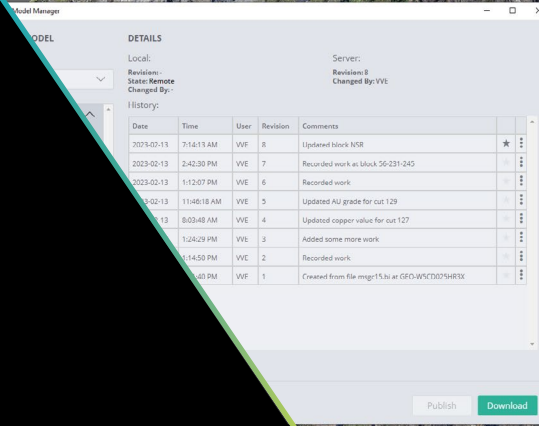




HxGN MinePlan Block Model Manager



Streamline Block Model Management

Mining reserve block models are growing larger, and technology advancements provide mining professionals with a constant stream of raw resource data from the field. As the quality of available data improves, technical services teams need to generate more interpretations, observations, and calculations to build reserve knowledge. However, managing the massive amount of sample points, variables, and outputs has become a challenge. That's where HxGN MinePlan Block Model Manager comes in. MinePlan Block Model Manager effectively manages and governs ore body knowledge, eliminating constraints caused by poor data management and ensuring data accuracy. With MinePlan, users can streamline block model management like never before, generating genuine insights and making value-impacting decisions faster, unlocking the full potential of your mining operation.

Key capabilities:

Efficient Data Management

- Centralized server-based data repository for block model management
- Version control and change notifications for effective change management
- Ability to retrieve deleted models
- Improved data footprint by storing only what's important

Powerful Visualization

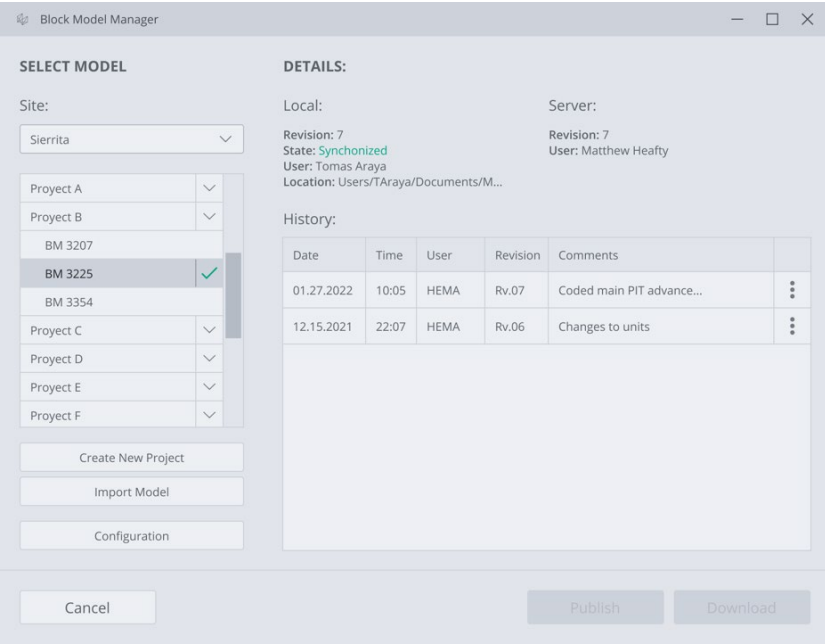
- Visualize block models alongside drillhole samples, survey, and design information in MinePlan 3D
- Connect third-party data analytics and reporting tools like Power BI to block model data

Advanced Model Creation Capabilities

- Code block models from polygons, surfaces, and solids generated in MinePlan 3D
- Interpolate grade information from sample composites in MinePlan 3D
- Add custom-calculated attributes to the block model leveraging domain expertise in MinePlan 3D

Seamless Interoperability

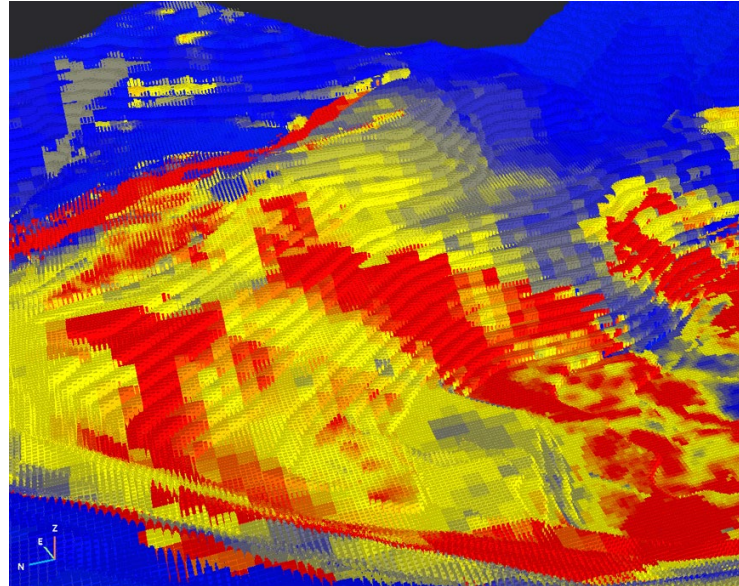
- Populate with model data from MinePlan models, third-party models, and CSV files
- Modern API that allows seamless data interoperability across workflows and applications



Overview

HxGN MinePlan Block Model Manager is a comprehensive solution for designing, managing, and sharing reserve and resource block models. Here are some key benefits of using this powerful tool:

- Increased information quality and more accurate resource/reserve reporting
- Redesigned block model data storage with expanded data modeling and metadata capabilities
- Intuitive workflow for maintaining version integrity and tracking edit history
- Enhanced visualization tools for stakeholders to track changes in the model as it progresses
- Streamlined data transfer workflow, reducing time spent from sample point to decision



Collaboration, Change Management, and Data Integrity

MinePlan Block Model Manager integrates with Hexagon's solutions to offer a modern data service architecture that enables multiple users and machines to access block model data with performance that fits the context. This facilitates new possibilities for collaboration and improves the auditability of the model creation process. The solution synchronizes block model states between client machines and a central service, ensuring integrity and providing an audit trail. Changes require a publish action, and subscribed data consumers are informed when new versions are available, improving communication and stakeholder engagement. Here are some of the key benefits of the MinePlan Block Model Manager architecture:

- Ensures integrity of the block model data
- Enables collaboration across the mining value chain
- Improves auditability of the model creation process
- Improves communication and engagement with technical, production, and executive stakeholders

Streamlined Data Access, Data Reuse, and Data Interoperability

The MinePlan Block Model API offers a range of benefits that streamline mining workflows and enable seamless integration with other systems. The modern API is designed for domain experts, data scientists, and software developers. The API provides advanced query options that allow data consumers to retrieve the whole block model or a sample dataset built from spatial and attribute filters. By leveraging the MinePlan Block Model Manager API, users can transform how block models are accessed and used, resulting in greater efficiency and productivity in mining operations. Here are some key benefits of the MinePlan Block Model Manager API:

- Workflow automation and integration with other systems
- Data interoperability for downstream mine design and scheduling workflows
- Streamlined data access, eliminating the need for manual importing and exporting
- Easy access to block values and project metadata



HxGN MinePlan



HxGN MineOperate



HxGN MineProtect



HxGN MineMeasure



HxGN MineMonitoring



Autonomous



Underground

Connect with Us

Digital transformation demands more than partial solutions.

Hexagon is the complete solution, connecting all parts of your mine.

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