



3DEXPERIENCE®

GEOVIA INSITE

MINE PRODUCTION MANAGEMENT



GEOVIA InSite™ increases the confidence in mining operations' ability to meet production targets, control costs, and improve efficiencies to meet stakeholders' expectations. InSite provides up-to-date information for improved visibility into production activities, enabling in-shift control and support of material reconciliation across the mining value chain.

InSite presents operations with near real-time data analytics for decision support and enables for conformance to plan. Delivering auditable transactions and master data management, InSite centralizes Operational Technologies and provides the information to drive the business excellence and agility required to thrive in fluctuating mining and market conditions.

- Tracks the quality and quantity of materials across operations
- Provides accounting of material flows to manage product inventory
- Supports Material Reconciliation at all stages of the process and accounts for production variances
- Streamlines daily, weekly and monthly Production Reporting

ADDRESSING KEY INDUSTRY CHALLENGES

- Increasing stakeholder confidence that helps Operations meet production targets
- Improving processes to conform to plan
- Increasing productivity and efficiency while controlling costs

- Integrating data from disparate sources to help reduce silos of information
- Enabling the visibility and real-time analysis into production activities
- Bridging the gap between Information Technology (IT) and Operational Technology (OT)

INCREASE THE CONFIDENCE IN OPERATIONS THROUGH GREATER VISIBILITY

InSite leverages the investment mining organizations make in Operational Technologies (OT), such as Geology and Mine Planning, fleet management, and data historians, by turning otherwise siloed or inaccessible data into actionable intelligence. InSite is the bridge between OT systems and Information Technologies (IT) to deliver an accurate picture across the entire mining operation. Companies can make more informed and faster decisions to increase productivity and control costs.

InSite provides complete operational visibility with tools for data analysis, reconciliation of production outputs and helps identify variances between Plan/Schedule and Actual.

InSite is built to suit any mining operation regardless of commodity, mining method or location. Dassault Systèmes' mining consultants work closely with organizations to determine a configuration that matches business and operational goals.

CHALLENGES	INSITE ENABLES YOU TO
Confidence in production data	<ul style="list-style-type: none"> • Increase confidence by collecting, centralizing, and validating production data • Provide visibility to all key performance indicators across the operation • Manage data for any activity, including mining, transportation and processing • Display operational production visually to help monitor all activities and rapidly respond to changes
Analysis of variance	<ul style="list-style-type: none"> • Identify areas of deviation of production from plan via variance analysis and advanced material balance • Reduce variance in planned versus actual by balancing material quality and quantity • Increase confidence in stockpile balances
Operational control	<ul style="list-style-type: none"> • Manage production down to the shift level and assign resources through Activity Task Management • Monitor equipment performance to control costs and eliminate bottlenecks • Support continuous improvement by identifying variances from Planning to Actual

"InSite provides greater confidence in the accuracy of our monthly production. The mine and plant have visibility of the variances between plan and actual. Visual representation of mining progress helps to validate activity hours and provide accurate reporting to contractors. Reconciliation has never been easier."

— Simon Ewart, Operations Superintendent, Stanwell, Meandu Mine

FUNCTIONALITY	BENEFIT
Production progress	Allows quick and easy visualization of production progress and activities
Data integration	Centralizes data from multiple sources, both manual and automatic
Manual data entry	Provides validation and an audit trail of manually entered data
Stockpile management	Gives high data confidence by providing accurate knowledge of stockpile contents
Material balance	Reduces variance in planned versus actual by balancing material mass and grade
Equipment performance	Increases understanding of equipment use, enabling better equipment time allocation and planning
Activity task management	Provides management and visibility of tasks within a shift
Activity costing	Improves visibility of all mine activities through allocation of costs to equipment, operators and consumables
Reporting	Produces scheduled and dashboard reports as well as ad-hoc reporting for easy analysis of production data
Dashboards	Configurable interactive visualization dashboards provide drill down capabilities to understand operational performance
Master data management	Manages master data lists including locations, materials, equipment, and employees, and optionally synchronize master data lists from external systems



DATA INTEGRATION WITH INSITE

InSite can be integrated with software systems or any data source used in mining.



For more information email GEOVIA.InSite@3ds.com or visit www.3ds.com/products-services/geovia/products/insite

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

