

NATURAL RESOURCES PRODUCTION MANAGEMENT

Increase the confidence in your operations



MEET PRODUCTION TARGETS, CONTROL COSTS, AND IMPROVE EFFICIENCIES

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

Production Management fits within the **Perfect Mine and Plant** Industry Solution Experience. In connection with the other capabilities in **Perfect Mine and Plant**, it helps provide a holistic view of the mining value chain.

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

Addressing Key Industry Challenges

Production Management can help companies to: increase stakeholder confidence. It does this by providing added capabilities to better enable

operations meet production targets by improving processes to conform to plans. Through this it also helps to increase productivity and efficiency and control costs.

By bridging the gap between Information Technology (IT) and Operational Technology (OT) and its integration of data from disparate sources to reduce silos of information, it allows "dark data" to be brought to light. This leads to faster and more comprehensive decision-making which is driven by clear visibility and real-time analysis into production activities. Through integration, Production Management also boosts the understanding of the available quantity and the quality of material across the operation.

Increase Confidence in Operations through Greater Visibility

Production Management 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. It 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.

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

Production Management 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.



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.

Global Centers of Excellence

Dassault Systèmes is dedicated to building strong customer relationships. When deploying our solution, we guarantee our support team is available to assist you with platform questions, issues and requests for enhancements.

Our Global Centers of Excellence support users from around the globe, ensuring the highest levels of technical support. These Centers increase the availability of a team of "just in time resources" ready to deploy, and able to address your business needs.

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

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