



Performance Excellence

For Metals, Mining & Minerals
Industry with Wonderware
Skelta BPM





SUMMARY

Metals, Mining and Minerals Industries challenges include responding to changing market demands, stiff competition and dwindling margins. Wonderware Skelta BPM from Invensys enables them to establish repeatable, reliable procedures to capture and standardize best practices and operating standards to meet these challenges.

BUSINESS VALUE

- Increase process agility
- Optimize resource utilization
- Facilitate innovation
- Maximize productivity
- Reduce operational costs
- Enable knowledge management

Increasing costs, competition and the need to optimize production units are some of the key challenges faced by the Metals, Mining and Minerals industry today. The industry also faces a number of issues such as:

- High energy and raw material costs with dwindling profit margins
- Skilled manpower shortage and loss of process knowledge, due to an aging workforce
- Stringent regulatory and environmental compliance requirements
- Lack of “off the shelf” communication and collaboration tools
- Disparate systems, leading to a longer process cycle
- Lack of operational indicators and dashboards
- Requirements for making changes on the fly to continuously optimize grinding processes (ie, alert operators to change charge cycles, based on modeling output changes due to ore hardness variations)
- Lack of automated decision support systems
- Need to enhance capacity to increase output on demand

Adding to these challenges, companies in the industry are also tasked with responding to changing market demands, delivering high levels of quality, while ensuring lower operating costs. These demands force companies to evaluate and improve their business processes across the organization.

Wonderware Skelta BPM can help, enabling companies to digitize manual and automated processes that include people and/or systems. Using Wonderware Skelta BPM, companies can Model, Execute, Analyze and Improve their processes both inside and outside of their organization to drive higher levels of collaboration, productivity and innovation, allowing them to excel in a highly competitive environment. With Wonderware Skelta BPM, companies can institutionalize work processes and efficiently manage normal, unscheduled or disruptive events within their operations environment--providing the Right People with the Right Information at the Right Time.

Wonderware Skelta BPM Enables the Metals, Mining and Minerals Industry to:

- Standardize, visualize and track processes across all domains within your organization
- Digitize SOPs, GMPs and work instructions
- Coordinate human-centric and system-centric tasks
- Support comprehensive compliance management and audit trails
- Synchronize with supply chain and other automation/enterprise applications

Wonderware Skelta BPM Addresses Key Operational Issues of the Metals, Mining and Minerals Industry, like:

1. Effective Vendor Management for Better Cost Control: with connectors to the ERP, specifications can be matched and orders generated, minimizing manual interference.
2. Comprehensive Knowledge Management to Help with Workforce Integration: GMP's, repair and maintenance procedures, SOP's can be linked to workflows, so that information is available on demand.
3. Effective Change Management: enable your organization to handle sudden changes like capacity, personnel, management; establish corporate procedures, facilitating mergers and acquisitions activities.
4. Efficient Process Automation: achieve operational efficiency and better energy utilization.
5. Comprehensive Order-to-pay Cycles: reduced processing time and increased visibility enables better margins.
6. Better Issue Management and Resolution: expedite troubleshooting and problem resolutions with multichannel notifications.
7. Management of Inventory Control: track assets for optimal use, and feed preventive maintenance plans, to maximize asset health and reduce accidents and downtime.

Wonderware Skelta BPM Works with your Current Automation Applications:

SCADA/HMI Applications

- Operator Alarm Response
- Electronic Work Instructions
- Model-Driven HMI Logic

MES Applications

- Specification Change Management
- Positive QA Release
- QA Hold Resolution
- Synchronizing with EAM and LIMS Applications
- Model-Driven Business Rule Management

ERP Applications

- Material Receiving & Inspection
- Master Data Approval
- Production Order Download Synchronization
- Production Order Reconciliation

For more information, please visit iom.invensys.com/workflow.