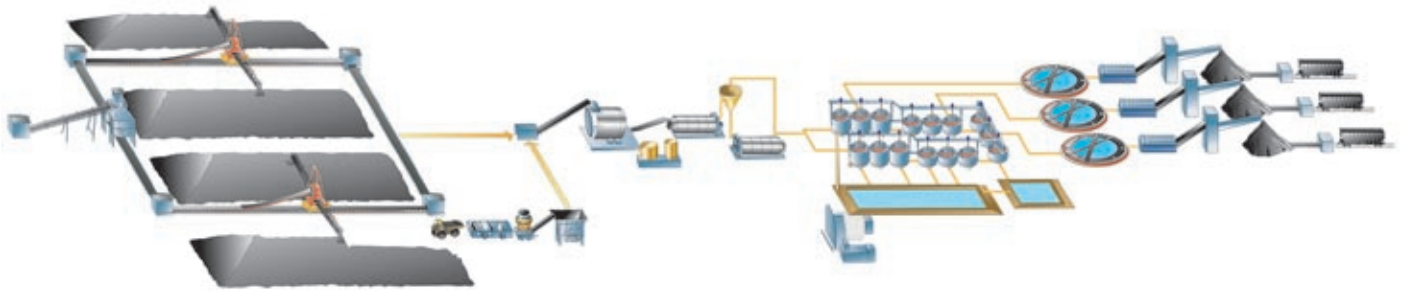


# Knowledge Manager

## Industrial<sup>IT</sup>: Performance Management for the Mineral Processing Industries



### What is Knowledge Manager?

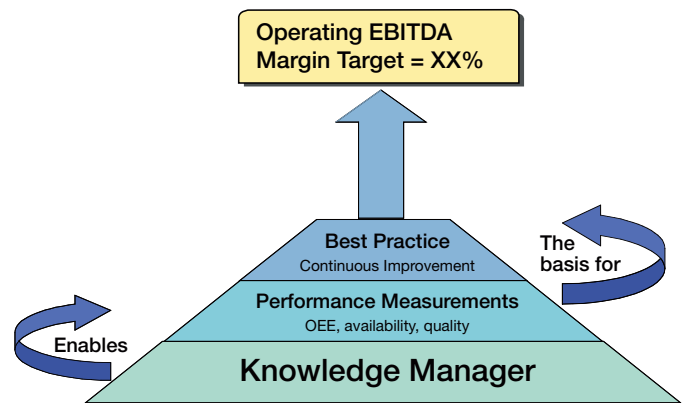
Knowledge Manager is your source for all the information you need to oversee your process from mine to port. It enables mineral processing industries to achieve operational objectives by supporting manufacturing processes, providing analytical insight and improving the overall operation. Your business needs and manufacturing work processes are supported through:

#### Visibility across production value chain

- Operation reporting.
- Manage plant effectiveness.
- Maintenance forecast.
- Maximize production assets and utilization.
- Account environmental compliance.
- Track energy consumption.
- Administer material balancing and advanced stock tracking.
- Reconciliate data through mass balance.
- Standardize laboratory management and implement good quality practices at the right cost.

#### ERP Integration

Management planning and control is supported by integrating consistent, complete and accurate real-time manufacturing information with the business information in Enterprise Resource Planning systems.



#### Immediate Benefits

Move towards optimum plant performance by improving your plant operation, process efficiency and product quality.

- Higher frequency of timely business decisions.
- Higher effectiveness in production and maintenance management, at consistent quality - reduced production costs.
- Improvements in proof-of-performance and compliance.
- Increased manpower productivity and efficiency.
- Improved inventory management stability at lower stock levels.

### What is Knowledge Manager's mission for minerals?

- Increase the quality of process information delivered to all plant management functions by providing a clear understanding of activities across your operation. The right plant information combined with analytical insight addresses production problems and provides new opportunities.
- Integrate manufacturing information in ERP and integrate business information in Knowledge Manager for improved visibility at plant, company and group reporting level.
- Manage proven laboratory practices and integrate quality information with process information for quality effectiveness.
- Support the overall business process by supplying true KPI's to enable sustainable business improvements and improved decision making.



*Installed in over 200 plants worldwide, Knowledge Manager systems save our customers more than \$50 million per year*



## What to expect from Knowledge Manager

### Economic gain

Knowledge Manager leverages the economic performance of your assets.

- Increased production through greater focus and deeper understanding.
- Reduced manufacturing downtime.
- Real-time manufacturing performance measurement and target monitoring, for continuous improvement.

### Compliance

Knowledge Manager enables enterprises to reach environmental, production and quality goals.

- Environmental compliance and real-time interfacing with environmental protection agencies.
- Proof-of-performance and check-of-guarantee and damage liability.
- Integrates real-time complete, accurate and consistent manufacturing information into company and group reporting systems.

### Top quality at peak rates

Knowledge Manager integration of production and quality information supports the achievement of quality management.

- Standardized laboratory work methods and practices.
- Tighter continuous standard deviation of product quality.
- Collaborative laboratories for analytical asset optimization.
- Improved quality forecasts for products sales.

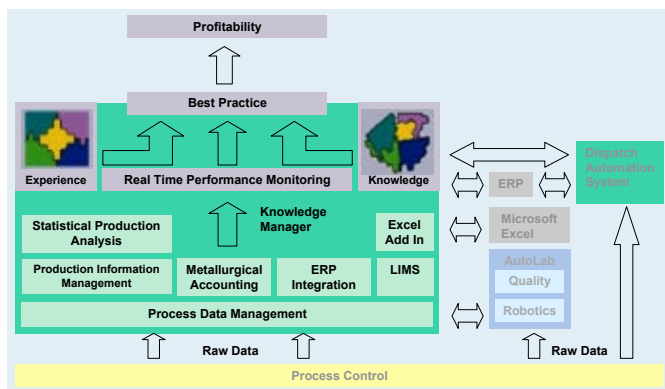
### Higher employee productivity

Knowledge Manager supports defined work processes and ensures manpower efficiency by delivering relevant operation information for improved decision taking.

- Supports best-in-class work practices.
- Increased frequency of fast and informed decisions.
- Increased focus on the issue instead of the quality of the information.

### Experience

Knowledge Manager's extensive engineering know-how and project experience across numerous plants ensures deliverable results to maximize your operation assets.



### Knowledge Manager technology

- Ready-built, ready-to-use, business objects that are rich in industry functionality.
- Industry solutions with proven deliverables.
- Integration of manufacturing process and quality information.
- Real-time integration of manufacturing information to ERP systems.
- A non-demanding, user friendly, user or engineering environment.
- Empowering users with the relevant information at the right time, in the right place, in the right form and for the right people.
- Over two decades of experience.

**Here to help our manufacturing customers produce quality products more effectively**



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