



## Inspirage Mining Asset Management Solution

*Strategic Spare Parts and Inventory Management for Mining Operations*

### The Industry Challenge

Mining assets in general involve lots of capital. As a result, there is a very high expectation that mining equipment should operate 24/7 without downtime. Mining companies strive to maintain the optimal level of spare parts inventory to make necessary repairs at any given moment, without tying up too much capital. With globally dispersed operations, antiquated systems, and long lead times it is difficult to provide worldwide inventory visibility and to share spare parts across geographies.

This reliance on optimizing spare parts inventory puts a spotlight on forecasting and planning. The mining industry suffers from a lack of formal processes geared towards the effective use of materials planning requirements from maintenance programs. Although vigorous long-term forecasting and supply planning processes are critical for operations, current practices tend to rely more upon immediate repair needs and “ad hoc” planning.

While asset maintenance systems do exist that specify the type of materials and maintenance needed for both planned and unplanned maintenance, these systems are typically a poor fit as they tend to be geared more towards short term execution-focused systems.

### Solution Benefits

**The Inspirage Mining Asset Management Solution provides a variety of key benefits:**

- Global inventory visualization
- Strategic inventory-level setup
- Preconfigured set of forecasting guidelines and parameters
- Ability to bring in data from disparate systems



## Our Solution

Inspirage has a solution to address the industry challenges in this area. Our solution has three key components:

- A carefully selected set of Oracle products
- A compilation of product configurations
- A set of enhancements built by Inspirage

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### Global Inventory Visibility

No matter the type of source systems you use (or the version), the Inspirage **Mining Asset Management Solution** provides the capability for the user to collect and present inventory data on a single platform. Users can locate the spare part(s), review the value, and evaluate the feasibility of transferring parts across the supply chain.

It is quite natural to see inventory spread around the world in any global mining operation. Inspirage's solution enables global mining and natural resources companies to easily bring in data from disparate systems, visualize inventories globally, and plan for inventories based on asset maintenance records and usages.

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### Maintenance Records Requirements Guide Spare Parts Planning

Inspirage's **Mining Asset Management Solution** uses the historical parts usage from maintenance operations for forecasting. All the materials issued to eAM jobs are considered valid as usage history, which forms one of the criteria to generate forecasts. Our solution offers a preconfigured set of forecasting guidelines and parameters. These parameters include blended rules, deciphering intermittency, and intermittency thresholds. The solution seamlessly incorporates forecasts generated inline as a true demand for inventory planning.

Inspirage's mining solution offers strategic inventory level setup as well as operational inventory planning. The service levels demanded by maintenance shops for performing various repairs are incorporated into inventory level setup, and these levels can be evaluated as frequently as forecast or other events dictate. Our inventory planning process guides users in selecting demand and lead time uncertainties.

In addition, Inspirage's solution enables users to execute time-phased planning and replenishment. You will find that a short list of relevant order modifiers and exceptions to drive the supply planning processor solution offers an end-to-end process to review and override any forecasts, visualize original vs. overridden forecasts and evaluate overridden forecasts for the supply planning process.



## Leveraging Best-In-Class Technology

Inspirage's **Mining Asset Management Solution** combines a proven set of Oracle products with our industry-specific enhancements. This solution enables the user to collect and present global mining inventory data on a single platform. A pre-configured set of forecasting parameters takes into account historical parts usage, the setup of strategic inventory levels, and robust forecasting tools all contribute towards the overall enhancement of the effectiveness of Oracle product deployments.

Product capabilities offered by Oracle have been shortlisted, configured, and enhanced to address the specific typical needs of asset/maintenance management users. This includes demand and supply reviews, exception reviews, and the review and release of purchase recommendations.

## Experienced Consultants

Using field-proven methodologies, Inspirage consultants achieve consistently successful results. Our consultants have a unique combination of industry knowledge, software and mobile technology experience, and project management skills to deliver consulting and implementation projects on time and on budget.

Learn more about the **Inspirage Mining Asset Management Solution**. We are the experts at helping you translate your value chain vision into measurable business results. Contact us at [info@inspirage.com](mailto:info@inspirage.com) to discuss how we can collaborate to improve these critical capabilities for your company.

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Inspirage is the integrated supply chain specialist firm solving business critical challenges from design to delivery. The company delivers end-to-end consulting and implementation solutions that link Innovation Management, Supply Chain Management and Logistics Management. Inspirage partners with their customers to break down information silos and optimize performance to accelerate innovation, fuel growth and achieve operational excellence.

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