



mining dynamics

Enterprise

Mining Dynamics is a revolutionary visual enterprise platform built using open standards. It is specifically intended for the mining industry that operates in a two- and three-dimensional world. Mining Dynamics enables the integration, visualization, and comprehensive management of the wide variety of unique spatially related data.



In order for global mining operations to consistently meet their production targets, mining-specific technologies need to be fully integrated with Enterprise Resource Planning Systems, such as Oracle/SAP. This allows for rapid analysis, understanding, and reforecasting of the operation, as unforeseen operational and tactical events will impact production.

Mining Dynamics is an integrated, web-enabled enterprise framework that bridges the gap between mining operations and head office. It allows mining engineers and corporate employees to have instant access to the latest information about mine site operations.

Mining Dynamics Enterprise enables the automated and transparent exchange of data and information between enterprise systems and end-user applications.

Mining Dynamics Enterprise

Mining Dynamics Enterprise acts as a bridge between enterprise applications (such as SAP) and end-user applications (such as Xact, XPAC, Xeras, and other applications). Managing the data flow between the systems using Mining Dynamics Enterprise results in timely and accurate information required for planning and reserve management.

SAP integration

Mining Dynamics Enterprise uses the power of SAP's Process Integration (PI) to pass information to and from Mining Dynamics Enterprise and SAP's:

- > Enterprise Core Components (ECC)
- > Business Intelligence (BI)
- > Enterprise Portal (EP).

Mining Dynamics Enterprise supports SAP's Enterprise Services Architecture vision, incorporating the use of web services and XML exchanges to integrate disparate systems.

Other non-SAP systems can be integrated with Mining Dynamics Enterprise.

Enhancing workflows and data sharing

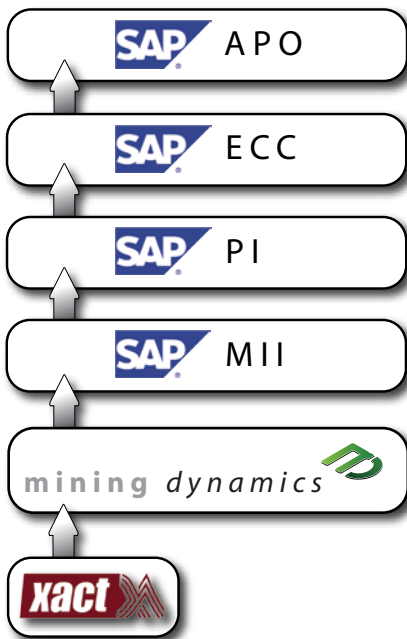
xSTMS (Short Term Mining Scheduling) is a Mining Dynamics packaged composite application that uses Mining Dynamics Enterprise to enhance workflows and data sharing. Detailed scheduling can be developed in Xact and the plan propagated in to SAP's Advanced Planning Optimizer (APO). Mining Dynamics Enterprise is the bridge between the end-user application, Xact, and SAP APO. Short-term mine scheduling data (target, actual, variances, and assumptions) are provided by Xact. The data is processed by Mining Dynamics Control and passed using a web service to SAP MII (cross application Manufacturing Integration and Intelligence). MII posts the information to SAP's ECC and ultimately into SAP's APO.

For more information on how this powerful web-enabled solution can optimize your mine operations see www.miningdynamics.com

System requirements

Mining Dynamics Control and Storage, SAP MII 11.5

Integrates with ERP systems (SAP or Oracle) and other enterprise systems (for example, plant control systems and fleet management systems).



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PROVIDING THE RIGHT INFORMATION
TO THE RIGHT PEOPLE
AT THE RIGHT TIME

