

# mining dynamics

## Control and Storage

**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 Control and Storage** boosts performance and quality by providing powerful workflow management, and extensible storage and data transformation. Mining Dynamics Control and Storage forms the core of Mining Dynamics and is a mandatory component.

### **Mining Dynamics Control and Storage**

Mining Dynamics Control and Storage allows business processes to be completed quickly, accurately, and reliably in a quality-controlled workflow. By managing the control and storage of mining-related files and data from numerous sources, the right data can be delivered to the right people, at the right time.

Mining Dynamics Control and Storage:

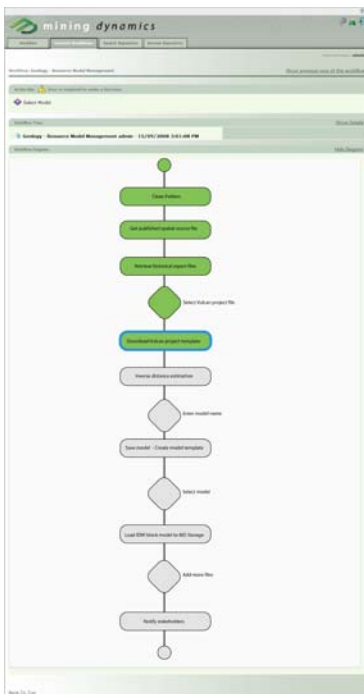
- > Explicitly mitigates the risks associated with business drivers and constraints.
- > Encourages routine monitoring of performance.
- > Ensures repeatable processes.
- > Enforces systemized workflows.
- > Delivers effective process longevity, transferability, and support for staff.
- > Enables statutory and regulatory reporting and audit compliance.

### **Mining Dynamics Control - Powerful workflow management**

Workflows in Mining Dynamics Control encapsulate business processes to ensure the consistent handling of work; for example, the development of a mine plan. The workflow describes the elements needed for each step in the business process, such as tasks, procedural steps, organizations or people, required input and output information, and tools.

Workflows run in a web browser and prompt the user at each step of the workflow, including:

- > Managing collections of data relating to the business process.
- > Executing software applications on the user's PC.
- > Responding to decision points that affect the workflow path.
- > Re-use of processes.



### **Mining Dynamics Storage - Extensible storage and data transformation**

Mining Dynamics Storage is a back-end database optimized for storing large files with version control and auditing facilities.

The data storage is application-independent and provides a centralized repository for the easy storage and dissemination of modeling, engineering, and resource data, as well as general data files and other information.

Files, or clusters of files, can be stored as translatable objects. Within Mining Dynamics Storage, these objects can be transformed to other data formats and map projections, and then extracted. This allows for unified storage of 3D objects and leverage of data created in existing systems.

Automatic or manual metadata can be stored against any type of file. The metadata scheme allows for context-specific metadata to be applied at the data object level.

### **Foundation for other Mining Dynamics products**

Mining Dynamics Control and Storage are sold together and provide the foundation on which other Mining Dynamics products are deployed (Mining Dynamics Discovery, Mining Dynamics 3D View, and Mining Dynamics Enterprise). Mining Dynamics Control and Storage must be installed to deploy these products.

For more information on how this powerful web-enabled solution can optimize your mine operations see [www.miningdynamics.com](http://www.miningdynamics.com)

### **System requirements**

Mining Dynamics server components runs on Windows Server 2003 SP2 with Microsoft IIS, Microsoft SQL Server 2005 SP2, and .NET Framework 3.5. Mining Dynamics client components run on Windows 2000 SP3 or Windows XP SP1 or later with Internet Explorer 6 or 7, and .NET Framework 3.5.



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

