

enterprise™  
engineer

Optimizing engineering design and change management processes

mclaren™  
software



## Benefits of Enterprise Engineer

**The Enterprise Engineer application suite provides a single point of controlled access to manage engineering project content throughout an asset's lifecycle.**

Enterprise Engineer manages the processes around creating and using engineering content, providing you with insight into the status of each deliverable and potential impact on the overall success of the project. This is what we refer to as Intellectual Work Management (IWM).

Enterprise Engineer helps organizations in the process manufacturing, utilities, life sciences and engineering, design and construction sectors optimize their engineering design and change management processes to maximize the value in their engineering documents while mitigating the commercial risk associated with their use. With pre-defined industry best practices and business rules, the Enterprise Engineer application suite supports the engineering process by providing a single point of control to manage the production and use of project content; including drawings, correspondence, procedures and specifications. Enterprise Engineer will help reduce costs, lower the risk of non-compliance, improve efficiency and accelerate project execution.

The Enterprise Engineer suite integrates with your existing EMC Documentum platform to accommodate the complexity of engineering content and provide a scalable enterprise-class solution.

### For Engineering:

- Have more control over project deliverables, ensure integrity of work.
- Leverage built-in business rules and processes.
- Improve communication and efficiency, accelerate project execution.
- Eliminate unnecessary rework and duplication of work.

### For IT:

- Leverage your existing ECM platform investment.
- Implement quickly and easily.
- Avoid the time and cost associated with developing a "one off" customized solution.
- Reduce ongoing maintenance, support and training needs.

### For the Enterprise:

- Mitigate the risk and cost of non-compliance.
- Lower total cost of ownership costs.
- Accelerate return on investment.
- Improve customer / supplier relationships.



## Improved Management of Engineering Business Processes

Engineering documents and drawings have special characteristics and often have complex inter-relationships. Engineering content is primarily unstructured data, such as drawings, datasheets, calculations, geophysical data, analysis results and financial projections. Because other areas within the organization deal with structured data systems such as databases or financial systems, engineering has had to invest in "departmental" solutions, often heavily customized to meet their specific requirements. As a result, engineering - although critical to the business - creates "silos" of information that are poorly linked to the rest of the enterprise.

These information disconnects can have serious consequences, such as:

- Lack of control and auditability of engineering processes.
- Higher risk of non-compliance.
- Duplication of information in different repositories.
- Higher support and maintenance costs due to multiple content management platforms.
- Information lost between lifecycle phases of projects.
- Incomplete packages of procurement information sent to vendors.
- Lost production due to "information incidents".
- Commercial disputes and claims.

Using Enterprise Engineer, you are able to formalize the creation, review and approval phases through "task packages" that automate your industry-specific and company standard processes. As a result, you have a single source of engineering, design, decision and commercial information for any given project that allows you to track each step, provide an audit trail and make better informed decisions. Your business will become more efficient and compliant at the same time.



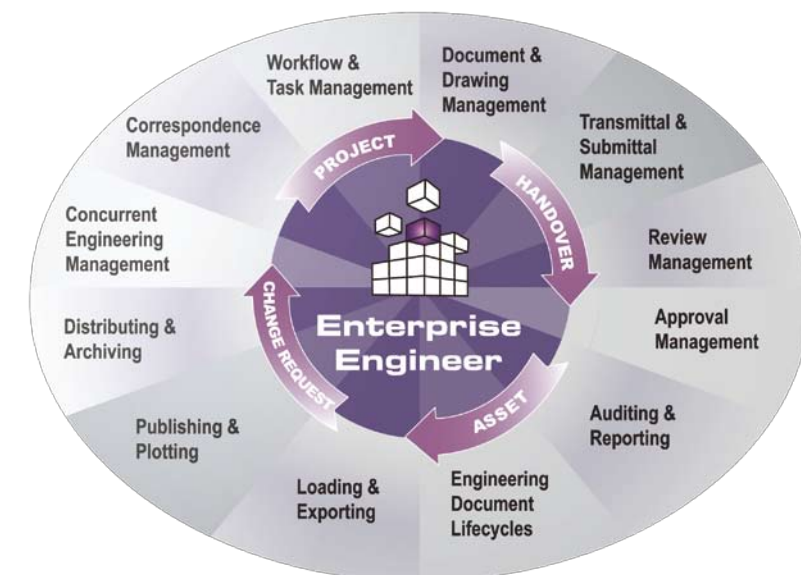
## Engineering-Centric IWM: McLaren Software's Enterprise Engineer Application Suite

Today's global, multicultural work environment presents a new set of challenges when it comes to team collaboration. These challenges include language and cultural barriers, conflicting processes, multiple external and internal contributors – all of which increase the likelihood of unintentional error during information exchanges.

IWM applications such as Enterprise Engineer provide more than an electronic filing system. They automate the business processes around creating and using business critical engineering content, creating a controlled, collaborative environment that bridges the gap between Engineering and the business. As a result, your organization will become more efficient and compliant - resulting in reduced costs, lower risk and improved efficiency.

### Features of Enterprise Engineer

- Out-of-the-box configurable business rules and best practices.
- Automated document numbering and filing.
- Full audit trails around the creation, review and approval of content.
- Seamless integration with CAD and Microsoft Office environments.
- Fast and easy to deploy and configure.
- Scalable, service-oriented architecture.
- Integrates with EMC Documentum platforms.



## Enterprise Engineer overview

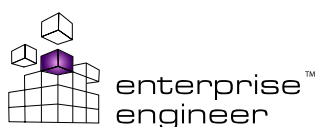
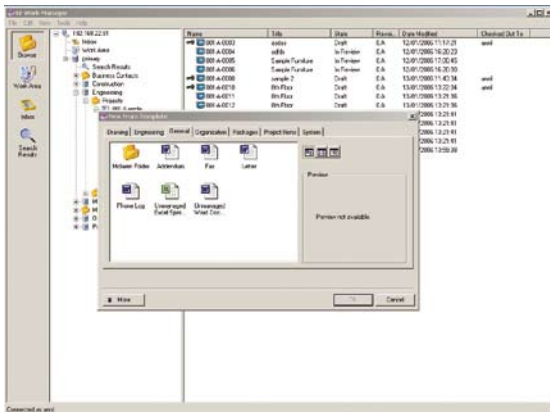
Enterprise Engineer is an integrated suite of highly configurable business applications that provide a single point of controlled access to manage the production and use of engineering project content throughout an assets lifecycle.

### Enterprise Engineer - Foundation Application

The EE Foundation application sets up over thirty document types and lifecycles to support the key content management activities needed for all engineering projects including Correspondence, Project Management, Drawings and Engineering.

- Holds the business rules, executes XML configurations and builds the business forms and dialogs that implement and automate organizations business processes.
- Provides business forms and task menus that are dynamically created based on user role, content type and lifecycle state.
- Pre-configured searching and reporting.
- Pre-configured document numbering and filing.
- 21CFR Part 11 compatible electronic signatures.
- A project based security model that reduces administrative overheads.
- QuickFind search tools that provide easy access to engineering content.

EE Work Manager is a dedicated desktop work space for managing the daily work processes around creating and using engineering content.



Microsoft  
GOLD CERTIFIED  
Partner



Information Worker Solutions  
ISV/Software Solutions

Autodesk  
Authorized Developer

Enterprise Engineer is available directly from McLaren Software and through a global network of accredited partners. For more information email [sales@mclarensoftware.com](mailto:sales@mclarensoftware.com), visit our website at [www.mclarensoftware.com](http://www.mclarensoftware.com) or contact one of our offices:

**USA**  
t +1 (713) 357 4710  
f +1 (713) 357 4711

**UK**  
t +44 (0)141 227 7600  
f +44 (0)141 227 7601

**EUROPE**  
t +49 (0) 21 02 420 880  
f +49 (0) 21 02 420 888

e [sales@mclarensoftware.com](mailto:sales@mclarensoftware.com)

All brand names, product names and trademarks are the property of their respective owners.

## Extending Enterprise Engineer

Additional products in the family extend the Foundation Application to provide specific functionality for common engineering tasks.

### EE Drawing Manager -

- A complete drawing management application to manage CAD drawings, Drawing Office business processes and the engineering lifecycle. EE Drawing Manager includes functionality to integrate AutoCAD® and MicroStation™ CAD applications with Enterprise Engineer, ensuring that all drawings are secured in the ECM platform. This also includes full reference file handling and title block synchronization.

### EE Office Manager -

- A document management application that integrates Enterprise Engineer functionality directly into key Microsoft Office tools including Outlook, Word, PowerPoint and Excel.

### EE Transmittals -

- Controls the distribution of document packages internally and externally for review, approval, notification and feedback.

### McLaren Reprographics Server -

- Fully integrated with Enterprise Engineer, McLaren Reprographics Server automates rendering content into multi-formats and supports pre-defined business rules to assure the correct format is rendered for a document as it moves through its lifecycle.

### McLaren Studio -

- McLaren Studio provides the flexibility to configure business rules in Enterprise Engineer to meet changing business process requirements.