



benefits of Enterprise Engineer

McLaren Software is pleased to announce the release of Enterprise Engineer on the FileNet P8 Enterprise Content Management (ECM) platform.

The development of Enterprise Engineer on FileNet P8 is the result of our strategic partnership with FileNet Corporation announced January 2004.

As a FileNet Independent Software Vendor (ISV), McLaren will align roadmaps and technology innovations to ensure compatibility with key FileNet and other third party applications.

Enterprise Engineer on FileNet P8 is a suite of configurable out-of-the-box content applications for the management of engineering content and business processes. Enterprise Engineer breaks free of restrictions of departmental or custom built solutions.

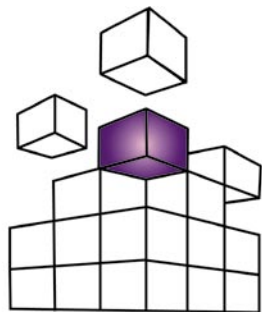
Enterprise Engineer manages engineering documents, CAD drawings, their lifecycles and associated business processes in a secure and auditable way, in line with industry best practice.

Targeted at Plant Operators and Design and Construction companies, Enterprise Engineer enables companies to -

- **Reduce costs and accelerate** project execution
- **Mitigate the risk** and cost of non-compliance
- **Maximize the value** of engineering content
- **Minimize** rework and plant downtime
- **Improve** auditability and tracking of contractually significant content
- **Improve** customer/supplier relationships

The applications in McLaren Enterprise Engineer -

- Are tightly integrated with the FileNet P8 platform
- Are fast and easy to configure, deploy and change
- Have a low Total Cost of Ownership and a fast Return on Investment
- Exploits .NET technology to deliver a feature rich client with the easy deployment of a Web client
- Put the customer back in control of their documents and business processes and the applications that support them



**a unique challenge —
managing complex programs of work**

There is a unique challenge for organizations constructing, or operating and maintaining large built assets or plants in an increasingly cost competitive and regulatory environment. Success relies heavily on the controlled and timely transfer of information internally and externally with organizations including operators, regulatory bodies, general contractors, etc.

Plant operators are under pressure to extract greater value from assets whilst reducing operational and capital expenditure as well as ensuring compliance to a variety of industry-specific regulations. The engineering content that is managed in these programs of work has its own unique attributes and relationships.



attributes of engineering content and process management

Engineering documents and drawings have specific characteristics. They cover complex specifications including: drawings, datasheets, calculations, geophysical data, analysis results and financial projections. These documents often have complex inter-relationships.

Engineering content is primarily unstructured data, while other parts of the business have more use for structured data systems like Enterprise Resources Planning (ERP), or Financial Systems. As a result, engineering has tended to invest in "Departmental" solutions, often heavily customized to meet their specific requirements.

The result of this is engineering, although critical to the business, creates "silos" of information completely disconnected from the rest of the enterprise. This leads to information disconnects that seriously degrade the enterprise's ability to control risk associated with complex programs of work.

This leads to -

- Lack of control and auditability of engineering process
- Higher risk of non-compliance
- Duplication of information in different repositories
- Multiple storage platforms for enterprise content have higher support and maintenance costs
- 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

how Enterprise Engineer and FileNet P8 helps

Enterprise Engineer is a suite of applications that support the whole engineering process, mandating the use of standards and procedures and sharing a single Enterprise Content Management (ECM) platform for all enterprise information. Enterprise Engineer provides the correct level of process and content integration between the world of engineering and the rest of the enterprise.

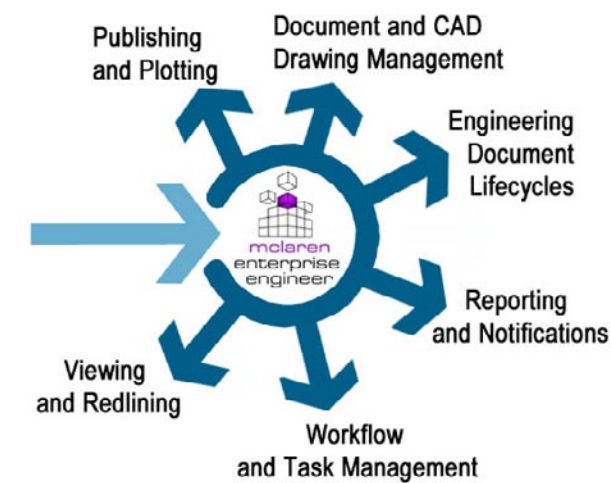
The applications in Enterprise Engineer help organizations do two main things —

1. They help organizations reduce the risk they face by automating the business processes that use their documents and drawings. These automated business processes can then be applied throughout the extended organization covering internal project members, partners, sub contractors, regulatory authorities and other third parties – in a consistent way that is fully auditable, helping to ensure compliance.
2. Enterprise Engineer protects the value of customer's engineering documents, drawings and business processes. Its applications ensure that the status, and therefore the value, of documents are understood at every stage of a business process, and that this information is communicated and used effectively throughout the enterprise. In addition, Enterprise Engineer ensures documents are stored, accessed and managed in a secure and predictable way.

Enterprise Engineer benefits

Enterprise Engineer helps organizations manage engineering documents, drawings and process change within engineering projects and to complete projects on time and within budget.

Enterprise Engineer helps ease compliance and negate risk, delivering customers a Rapid Return on Investment with a lower Total Cost of Ownership on their Content Management investment.



Enterprise Engineer overview

Enterprise Engineer on the FileNet P8 platform provides out-of-the-box content management applications to comprehensively manage engineering documents, drawings and business processes through the entire project. Enterprise Engineer supports the engineering process from the creation of designs through review and approval to completion and re-use in ongoing maintenance projects.

Enterprise Engineer - Foundation Application

- Sets up document types and lifecycles to support the key document management activities needed for all engineering projects.
- Integrates with Microsoft® Office applications to control the creation and management of other common engineering document types.
- Defines the business rules through XML configurations and builds the dialogs that implement and automate organizations business processes. This includes —
 - o Project focused pre-configured business forms and task menus
 - o Pre-configured searching and reporting
 - o Pre-configured document numbering and filing
 - o Predefined business rules covering the following document classifications –
 - Technical documents and drawings
 - Vendor documents and drawings
 - General documents and correspondence

Enterprise Engineer - Drawing Manager

Enterprise Engineer - Drawing Manager provides a complete, user configurable, out-of-the-box solution to manage CAD drawings (AutoCAD® and MicroStation™), Drawing Office business processes and the engineering lifecycle.

Enterprise Engineer - Drawing Manager:

- Marries the management of CAD drawings, in a controlled environment, with enterprise business process requirements.
- Allows the information that is tied up in the drawing office to be shared, used, re-used and communicated more effectively throughout the whole enterprise.
- Reduces exposure to risk by ensuring controlled, auditable management of engineering documents, drawings and processes.
- Enables wider team participation in key engineering processes via integrated annotation and review.

Drawing Manager allows a Drawing Office to:

- Quickly configure document types, lifecycles and forms to match your business processes.
- Capture, classify and manage drawings in a secure manner.
- Control the creation and management of AutoCAD and MicroStation CAD drawings, including full reference file handling and title block synchronization.
- Integrate annotation and review processes.
- Support electronic sign off.
- Control common document lifecycle tasks such as review, approval and retirement according to business rules.
- Deliver powerful drawing numbering.
- Support automatic drawing filing, revision management and other features.

Powerful rendering, publishing and viewing completes Enterprise Engineer, on the FileNet platform

Enterprise Engineer provides functionality to view documents and drawings, directly from the repository. More than 200 document types can be viewed, including CAD drawings and reference files, right from a Web browser. Enterprise Engineer viewing ensures you always have access to the correct version of a document or drawing and have the facility to view, mark and redline it without needing to install the native application.

Enterprise Engineer rendering makes the publishing of documents in different formats - including engineering content and CAD drawings - fast, secure and simple. It ensures you always have access to the right format to quickly share your information with customers, partners and employees around the world, secure in the knowledge that key information cannot be changed. It also speeds the review and approval process and fosters engineering collaboration.

Enterprise Engineer software is available from McLaren and through a global network of McLaren Enterprise Engineer Partners. Email sales@mcclarensoftware.com, contact one of our offices below or visit our website at www.mcclarensoftware.com



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