



IBM Information Management software

McLaren Software Enterprise Engineer for Assets

Partner Solution

■ **Target Industries**

*Chemical and Petroleum
Energy and Utilities
Industrial Products*

■ **Business Application**

Asset Documentation

■ **Product**

IBM FileNet Content Manager

Business Challenge

During their lifespan, assets are commissioned, renovated, reconfigured, extended or decommissioned to meet changing business demands or external regulatory requirements. Owner-Operators face the challenge of retaining and sharing relevant documentation for the life of the asset, as well as extracting greater value from these assets while reducing operational and capital expenditures.

Up-to-date health and safety documents, maintenance manuals, standard operating procedures (SOPs), and as-built design drawings are all necessary for the effective ongoing operation of a facility. The sheer volume of accumulated documentation throughout the asset lifecycle is astounding and a facility may require that archives are kept for an extended period of time, sometimes dating back more than 100 years. As a result, an asset may have millions of associated documents. Owner-Operators must maintain the complex and multiple relationships between documents and their associated assets.

Additionally, when there is continuous change, maintaining as-built

documentation is a major challenge. Concurrent engineering projects may bring simultaneous modifications to the same engineering documents by different capital projects and maintenance teams. The changes, when brought together, don't always provide a consistent view of the facility.

Solution

Enterprise Engineer (EE) for Assets is designed to address Owner-Operators' content management issues by managing asset documentation throughout its lifecycle. The solution makes extensive use of the EE for Assets package technology to simplify the handling of large batches of documentation.

EE for Assets provides a secure asset information vault which is more than just a repository for storing asset-related content; it also provides the business process verification steps and security needed to control the creation and ongoing change management of asset documentation.

An asset information vault is divided into two principal areas, the masters area and the released area. The masters area contains the source documents and drawings in their native format and has controlled



access through built-in security. The released area contains copies of the approved documents that have been rendered into a read-only format and made available for business consumer use.



The logical organizational structure for the vault's principal areas is based on an asset breakdown structure – a hierarchical breakdown of the physical sites, facilities, buildings, systems, subsystems, and in some cases, engineering disciplines.

Value Proposition

By providing a solution to control the ongoing change and management of asset documentation, McLaren Software's EE for Assets solution can help Owner-Operators improve their bottom line revenues and avoid project delays, costly down time and health and safety issues.

This is a substantial value proposition when you consider that each asset has a daily cost and revenue stream in the millions of dollars providing hundreds of thousands of dollars of profit per day.

The solution helps ensure organizations are working with the correct, most updated and relevant documentation. Owner-Operators can gain control over hundreds of thousands, to millions, of documents with complex multiple relationships.

EE for Assets helps Owner-Operators ensure the integrity of asset documentation by providing:

- Access to the right documentation at the right time
- Reduced risk of non-compliance
- Minimized rework and project delays
- A bridging of the gap between engineering and maintenance operations

Company Description

McLaren Software develops engineering-centric intellectual work management applications for the oil and gas, manufacturing, utilities, pharmaceutical, and engineering, design and construction sectors. McLaren helps organizations optimize their engineering design and asset change management processes to maximize the value in their engineering documentation while mitigating the commercial risk associated with their use.

For more information, please contact:

Glasgow, Scotland

Tim Taylor

+44 141 227 7600

tim.taylor@mclarensoftware.com

Houston, TX

Kevin Connolly

+1 713 357 4710

kevin.connolly@mclarensoftware.com

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3565 Harbor Boulevard
Costa Mesa, CA 92626-1420
USA

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