



# **btm****SOFTWARE**

## **Bridges to Markets**

## **EPFM Drawing Management**

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*The drawing management extension for  
EPFM.*



### A Comprehensive Drawing Management System

EPFM (Engineering, Plant and Facilities Management) from EMC<sup>2</sup>, offers a series of solutions to improve plant operation and maintenance, while ensuring EHS regulatory compliance.

In the engineering world around 60% of all documents are drawings and drawing related documents. Therefore, the management of drawings is crucial in every engineering project.

BTM Software extends the rich solution of EPFM with the EPFM Drawing Management to handle drawings in such a way, that users have all the functionality and advantages, which EPFM offers them using regular documents.

EPFM Drawing Management is based on the DRAWbridge Suite, which is a conglomerate of drawing-centric software modules for the engineering community using EMC<sup>2</sup> Documentum's Enterprise Content Management System.

Its flagship DRAWbridge seamlessly integrates CAD-packages such as [AutoCAD](#), [MicroStation](#) and [SmartSketch](#) with [EMC<sup>2</sup> Documentum](#). The advantage for CAD-users is that they can work the way they are used to within their CAD Application, whilst having all the benefits of EPFM.

DRAWbridge handles the drawings and the files linked to it (xRef's, references, images and any other arbitrary format document) as one entity. As a result users have the certainty that all

related documents are available to them with the right version/revision.

DRAWbridge supports the bi-directional synchronization of the title block information with the values of the properties stored in EPFM. This is done in a manual ad hoc fashion.

However, for crucial events in a workflow or lifecycle, it is important to have the title block updated automatically. BLOCKbridge automatically updates the title block. This way, stake-holders can be certain that the title block always contains the most current information, when they review and approve drawings.

RENDERbridge creates PDF and TIFF renditions of the master drawing and the linked files. To assure the users have the most current information stored in their drawings, RENDERbridge updates the title block information with the meta-data stored in EPFM, before generating the renditions.

DRAWbridge Suite offers the following options for viewing and redlining of the drawings for non-CAD users:

1. [Informative Graphics' Brava!](#) viewer
2. [Oracle's AutoVue](#) viewer
3. Viewing PDFs with [EMC<sup>2</sup> Documentum's PDF Annotation Services](#)

In all cases DRAWbridge manages the master drawing and its linked files as one single entity.

INDEXbridge allows users to re-use parts and assemblies through full-text search on content stored in the drawings. INDEXbridge is seamlessly integrated within the Document Webtop Search component and therefore, supports its entire possibilities, allowing the users to perform complex requests, such as looking for all the published drawings containing specific equipment and belonging to a specific project, for example.

The last member of the DRAWbridge Suite is our DRAWbridge plug-in for bulk-loading, which in conjunction with the EPFM bulk importing subsystem, creates the links between the master drawing and its linked files in the Docbase.

### Business Benefits

EPFM Drawing Management handles the challenges of engineering projects: fast changes to be implemented by a team working on the same stack of drawings

Ensures a safe and accurate collaboration platform in conjunction with EMC<sup>2</sup> EPFM

Significant reduction in re-work effort and cost

Standard and certified products with an ROI of 2-5 months

### Technical Features

DRAWbridge Suite functionality includes:

- » Management of (nested) [AutoCAD](#) xRefs, [MicroStation](#) reference files and

[SmartSketch](#) links related to CAD drawings

- » Management of hybrid raster/vector drawings as one entity.
- » Creation of PDF and TIFF renditions of the drawing and the linked files
- » Access to the [EPFM](#) repository directly from the CAD application
- » Title block synchronization with the meta-data stored in [EPFM](#)
- » Viewing and redlining of the drawing and its linked files as one entity
- » Full-text search on drawing content
- » Bulk import support of drawings and their linked files

The DRAWbridge Suite is an EMC<sup>2</sup> Certified Solution.



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