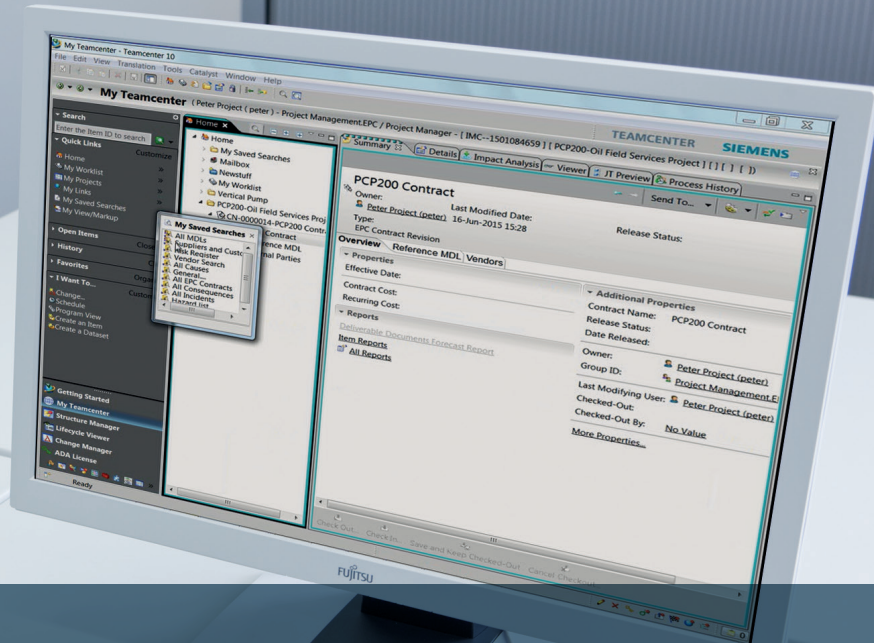




GEOMETRIC
SOLUTIONS



Siemens PLM Software

Master document lists and transmittals catalyst

Digitalizing capital project management processes in the energy sector

Benefits

- Accelerates time-to-value with 25 to 50 percent faster deployment
- Improves productivity with an intuitive user experience
- Leverages optimized, prepackaged solutions to reduce implementation costs
- Speeds decision making with better visibility into component/subsystem/product lifecycle status
- Reduces cost of ownership by providing a PLM foundation that can be incrementally expanded

Features

- Preconfigured product maturity progression model based on industry best practices

Summary

The master document list and transmittals catalyst (MDLTC) from Siemens PLM Software provides industry best practices in a preconfigured, ready-to-install solution package for the energy sector. The package enables a quick and low-cost implementation for master document lists, including part, document and bill-of-materials (BOM) document exchange and change management using Teamcenter® software within a customer's infrastructure or on the cloud. The catalyst enables quick configuration and deployment of mainstream product lifecycle management (PLM) capabilities in weeks rather than months, and lays the foundation for the deployment of additional PLM capabilities.

Typical PLM offerings from software vendors require significant amounts of upfront time to define new (often nonstandard) engineering processes, document a company's existing processes, define gaps and develop an implementation plan that is often complex and can take years to customize,

test and deploy. The catalyst eliminates the upfront work, and presents you with a prepackaged solution based on the capital project master document list and transmittals process best practices. Names and attributes are well tested and ready to deploy with minimal effort and risks.

What is MDLTC?

The master document list and transmittals catalyst is a set of configuration components with deployment guides and implementation best practices for the energy industry. It addresses typical tasks and use cases that come up during the document transmittal, and uses PLM to enable streamlined communication and tracking of drawings and documents across all stages of the project as well as with multiple participants and stakeholders. The master document list and transmittals catalyst addresses the following business process areas:

- Master document list and transmittal lifecycle process management
- Document and bill-of-materials (BOM) lifecycle management

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Master document lists and transmittals catalyst

Features *continued*

- Simplified workflows for fast changes, including one-step release workflows
- Preconfigured part, document and BOM change management based on industry best practices
- Preconfigured user interface aligned with industry terminology
- Configurable out-of-the-box change summary report in PDF format

- Master document and transmittal version control and audit history
- Document transmittal issues management
- Multistep and fast-track workflows to enable agile packaging of documents
- Automating change request types

Providing configured templates

The catalyst provides configured templates that automate the creation of the master document list and preconfigured workflows for review and changes, including multiple processes for different types of change needs based on the product, lifecycle stage of the product and the quality-control rigor required for a given project. In addition, the catalyst can be used to automatically communicate precise changes or updates to information coming from internal and external participants or partners, which helps reduce change cycle time and improves cost and quality.

Intuitive to use

The catalyst is preloaded with additional, frequently-used document types for part, document and BOM management. These predefined document types feature maturity properties that enable automated and unique document management capabilities, such as auto notification of expiration, automatic enforcement of periodic document review and archival policy and configurable release stamps or watermarks based on predefined set of properties (for example, release status, maturity status, description and security level). The master document list and transmittals catalyst is intuitive to use, which lowers organization training costs, implementation risks and costs and accelerates rate of adoption.

Preconfigured version control and audit history

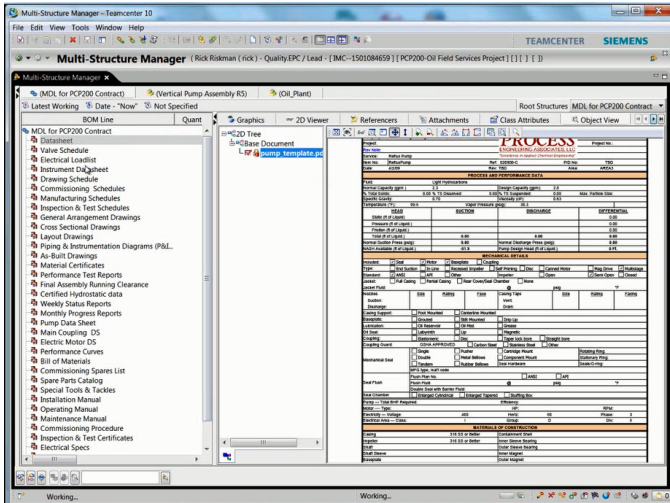
The catalyst is used to configure multiple processes for different types of change needs based on the product, lifecycle stage of the product and the quality control required for a given customer, insuring that you have the history of the right version of the document at that point in time. Audit history reports can be easily generated from the system.

Enabling agile change requests

The catalyst includes preconfigured, typical workflows that enable a one-step release flow for product artifacts with maturity levels during the feasibility stage. This feature provides significant agility for organizational development teams, yet provides the necessary change traceability. Additionally, simple workflows for problem reports, change requests, change notices and deviations have been defined. These workflows support dynamic participants, a fast-track option, an easy-to-understand change history and friendly email notifications, all aligned with industry practices.

Aligning with industry terminology

The catalyst has dramatically simplified menus, tabs and placement of action-command buttons to help you accomplish tasks with minimal training. The context-aware user interface (UI) widgets, including smart tabs, enable you to view critical information, such as where-used, change history and vendor parts, all from a single click on a tab with a user-friendly name. Documents can be added to change requests or parts with a simple click of the add-command button that not only uploads the documents, but also auto-matically creates the correct associations between the documents and targets.



Easily navigate project management and engineering data.

Making quick and high-quality decisions

This is another example of how the catalyst provides timely and high-fidelity information (including image preview files) to decision makers for product configuration changes. With a nicely formatted, standard-size PDF, this capability enables change reviewers and general participants to grasp the essence of the change contents and rationale, enabling them to make quick and high-quality decisions on pending changes.

Supported on the cloud

Provides a quick, low-cost option for customers to quickly and effectively become operational in using the master document list and transmittals catalyst while avoiding the sometimes-lengthy process of specifying, acquiring and installing their own infrastructure. Accelerate centralized, automated administration with certified partner-hosting service providers that deliver standard architectures and best practices on the cloud infrastructure as a service (IaaS) platform. This provides the flexibility of adding incremental Siemens PLM Software products and supporting alternative licensing models available through different cloud IaaS providers.

Contact
 Siemens PLM Software
 Americas +1 314-264-8499
 Europe +44 (0) 1276 413200
 Asia-Pacific +852 2230 3308

www.siemens.com/plm

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844-GEO-SUPT
 support@geoplms.com
 geoplms.com