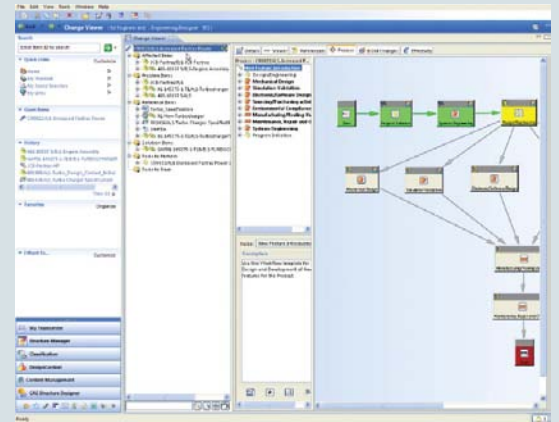# Change management

Collaboratively performing rapid and full change management across your product lifecycle

Benefits
- Enables you to improve your products faster than your competition
- Allows you to quickly respond to marketplace dynamics
- Provides you with the option of expediting simple product changes or formally controlling complex changes
- Integrates entitled suppliers and allied partners into your change processes
- Enables decision makers to understand the business case that justifies a proposed change
- Ensures adherence to corporate standards and business rules
- Leverages continual improvement loops across your change processes

Summary
To enable you to continuously and systematically improve your product offerings, Teamcenter® software provides best practice solutions for rapid change and full change management using the world's leading PLM digital enterprise backbone. Teamcenter's advanced workflow capability enables you to accurately plan, incorporate, verify and assess the impact of product changes. You can leverage this capability to reduce effort and cycle time required to implement your change process.

Solving your change management needs as flexibly as possible
Teamcenter provides a best-practice approach that enables you to initiate, administer, review/approve and execute product changes on an enterprise basis.

This best practice leverages a formal process that takes advantage of multiple change documents (e.g., problem reports, change requests/proposals, strategies and change notices) and extensive implementation planning to manage product change repeatedly and systematically in accordance with the requirements of the industry-standard CMII closed-loop change model.

This approach facilitates integrated product change, which enables you to replace the piecemeal systems traditionally used to manage product change with a single enterprise solution that automates your change process, minimizes change-related rework and coordinates the work tasks performed across your extended enterprise.

This customer-proven best-practice enables you to deploy a pre-configured solution that accelerates your time-to-value and maximizes the return on your investment. The best practice also allows you to account for changes in design intent and trace all related dependencies and decisions across the lifecycle of your products.

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Change management

Features
- Fine-grain change definition, scheduling, execution and tracking
- Ability to document, review and approve business case
- Automatic distribution of change related documents
- Real-time status tracking, verification and auditing
- Graphical representation of the change history of physical items and their relationships to documented requirements
- Propagation of information from problem report to change request to change notice
- Ability to roll up closure of change as tasks are completed and approved
- Advanced workflow that supports parallel, serial and nonlinear paths, breakdown and aggregation tasks, quorum approvals, dynamic user assignments, repeatable task execution and advanced multi-state/value branching

Users can leverage a closed loop model, real-time tracking and detailed metrics to ensure the accuracy of your change packages and enhance their visibility. This combination of capabilities allows you to make certain that all of the work tasks associated with your product changes are actually performed, that they conform to your company's standards and business rules, and that your requirements are tied to clear, concise and valid design changes.

Teamcenter enables you to create roles-based change processes to ensure that the "right" people in your extended enterprise make decisions or perform assigned work tasks on a timely basis. The solution leverages role definitions to automatically present change implementers with a user interface that matches their assigned change tasks.

Teamcenter leverages product structure definitions managed by your PLM enterprise backbone. As a result, you can:
- Evaluate the impact of individual product changes
- Create streamlined work breakdown structures that can be injected into your implementation plan
- Audit the execution and completion of assigned work tasks
- Notify users when assigned change tasks need to be expedited
- Maintain a complete history of product changes executed during the product lifecycle
- Verify conformance to documented requirements
- Track both planned and actual impacts to the product information associated with your proposed changes

Use case scenario (rapid change management)
Users initiate a rapid product change by creating a change request that incorporates the business case for adopting the product change along with a proposed implementation plan. To expedite the change process, the change request identifies the impacts of the proposed product change. These impacts describe what documents and designs have to be changed to support the improvement in question.

Approval of the change request authorizes work to begin on the execution of specific product changes. Fast-track review/approval is supported as an option. This enables change "owners" (empowered change analysts) to approve the change request without going through a change review board.

Once the change request is approved, the change request is forwarded – along with its approved implementation plan – to appropriate change implementers. Change analysts can monitor the progress of given product changes by examining the status of individual tasks and determining whether or not they have been closed.

During the execution of a given product change, Teamcenter can update appropriate incorporation dates or units of change without disrupting the integrity of your change package or imposing a further review.

Use case scenario (complex change management)
Users can initiate a product change that incorporates one or more problem reports or incident reports into a change request. The change request can be submitted to a workflow to drive the tasks associated with developing multiple change strategies and performing an impact analysis that determines where changes are required, what documents are affected, and what level of effort will be required.

This work can be broken down and automatically distributed by workflow tasks; later, this work can be re-incorporated into a change package. You can leverage Teamcenter's review/approval process and workflow controls to create change notices with implementation tasks.

You can roll up the completed implementation tasks to close out the change. Information common to your problem report, change request, and change notices can propagate automatically to reduce the likelihood of errors.