Teamcenter change management

Execute change quickly, accurately and comprehensively

Benefits

- Reduce risks with a complete understanding of change impacts

- Lower change costs, risks and cycle times

- Ensure adherence to standards and business rules

- Spend less time analyzing, administering and implementing change with integrated PLM

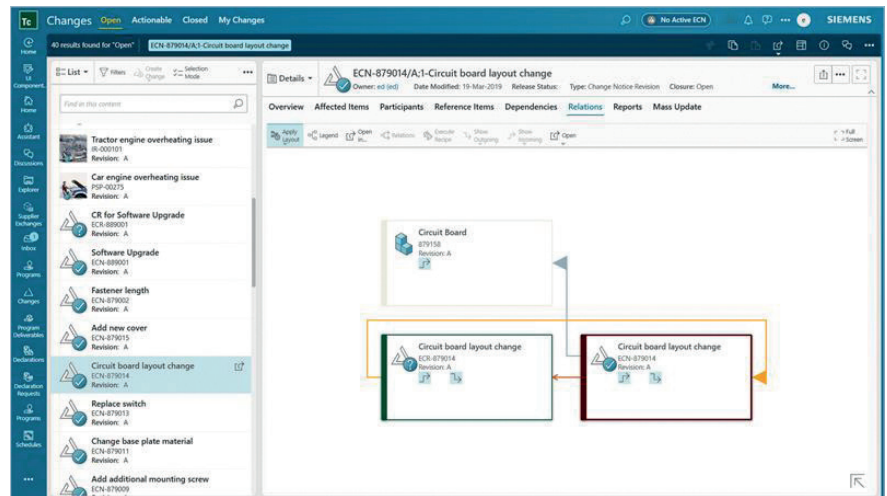- Optimize change processes and support audits with complete change traceability

Summary

Change management originated in document control procedures. Engineering departments owned all the drawings that defined a product and everything related to them. They managed and executed changes.

Today, the scope of change management is broader and more complex. Increasingly advanced products spanning multiple domains require collaboration and coordination far beyond the scope of engineering. Global organizations and supply chains make collaboration increasingly difficult. Without visibility into who these changes impact, their resource loads, what projects are already in process and other information, organizations implement too many changes at once, creating bottlenecks and delays.

Effective change management is critical to your success. You must be able to track and address issues and required changes while meeting the demand for new product offerings. With the product and process change management capabilities in Teamcenter® software, which is part of the Siemens Xcelerator business platform of software, hardware and services, you can effectively manage your product's evolutions, issues and improvements, while implementing changes quickly, accurately and comprehensively to better respond to your customers' needs.

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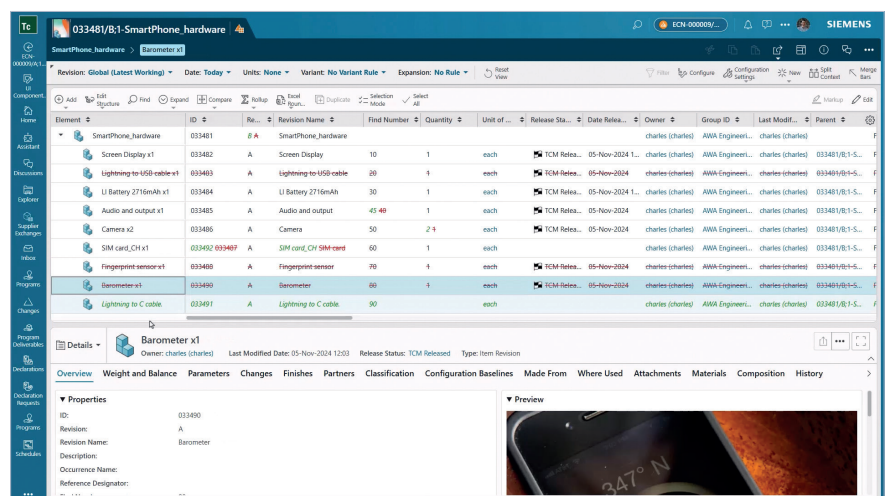siemens.com/teamcenter

Features

- Easily participate in change processes with minimal or no training

- Configurable, rules-based change management and comprehensive impact analysis

- Bill-of-materials (BOM) modification tracking with red lines to highlight changes

- End-to-end change execution with standardized, flexible, closed-loop processes

- Concurrent change merging

- Integrates Teamcenter project and schedule management to manage complex changes

Comprehensive impact analysis

A critical element for effective change management is the ability to clearly understand the impact of a proposed change. If you make a change to a component, how could it impact all the parts, assemblies, documents and products? Perhaps the change requires only a minor design modification, but does it require retooling manufacturing or changing process steps? Do you have the resources to make this change? What would the impact be on other projects already in progress?

With product lifecycle management (PLM), you have complete visibility to impacted data, people and processes. You can see every instance where a part is used, and all information related to that part, to clearly understand what data it impacts.
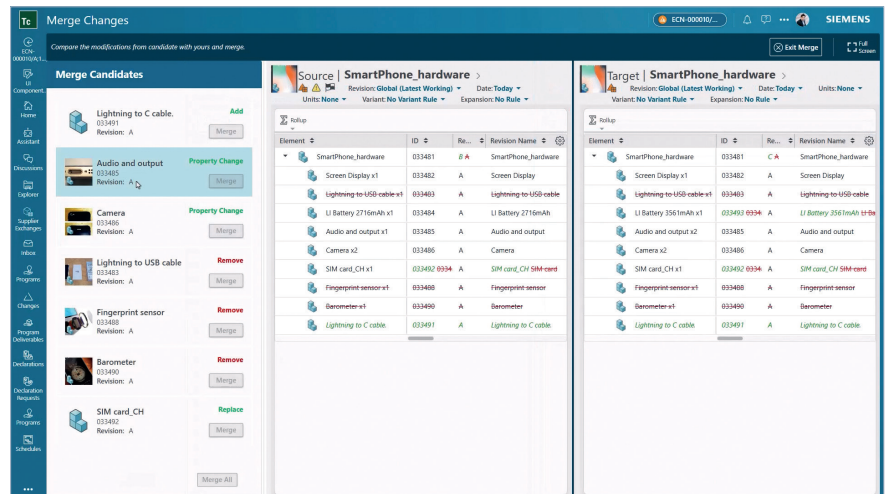
Standardized change processes help you incorporate the right stakeholders to clearly identify impacted domains and processes. You can view resource loads and reports to help ensure you can execute appropriate changes in the desired time frame. You can leverage all this data, as well as the history of previous changes or issues, to help identify whether a change is necessary, dramatically reducing the time you spend on changes that never make it to production. When you use product change management in Teamcenter to understand the complete impact of a change, you can make accurate decisions about cost and timing commitments.

Standardized change

Using Teamcenter enables you to standardize your change processes – no matter how simple or complex. Leveraging Teamcenter fully supports the rigor of formal configuration management (CMII discipline) change management and enables you to define your own standardized change processes. Standardized processes help you synchronize change activities across complex assemblies and organizations while maintaining traceability for audit and reporting purposes. You can drive consistency with standard processes to make change management more predictable and streamlined.

Execute the right-sized change

Not all changes are the same. You may have simple changes that require little effort or cost, such as an update to a title on a drawing. Alternatively, you may have more complex changes that require design modifications, retooling for manufacturing and updates to service manuals.

Applying the same level of rigor and control across both examples may not make sense. With Teamcenter, you have the flexibility to manage and execute the right change process for the job, from expediting a simple change to formally controlling a complex change in one single integrated PLM environment.

End-to-end execution

With product change management in Teamcenter, you can manage the complete scope of change across all impacted domains, timelines and resources. You can orchestrate the complete change process, from managing and verifying drivers of change to identifying and planning solutions to guiding the implementation and incorporation of change.

With the integrated Teamcenter project and schedule management and workflow capabilities, you can simplify the coordination and collaboration of people inside your company, as well as your partners and suppliers. You can ensure everyone works with the right data and at the right time to implement change quickly, accurately and comprehensively. Consistent closed-loop processes provide feedback to help optimize change processes and confirm all change tasks with complete traceability for audit history and tracking.