

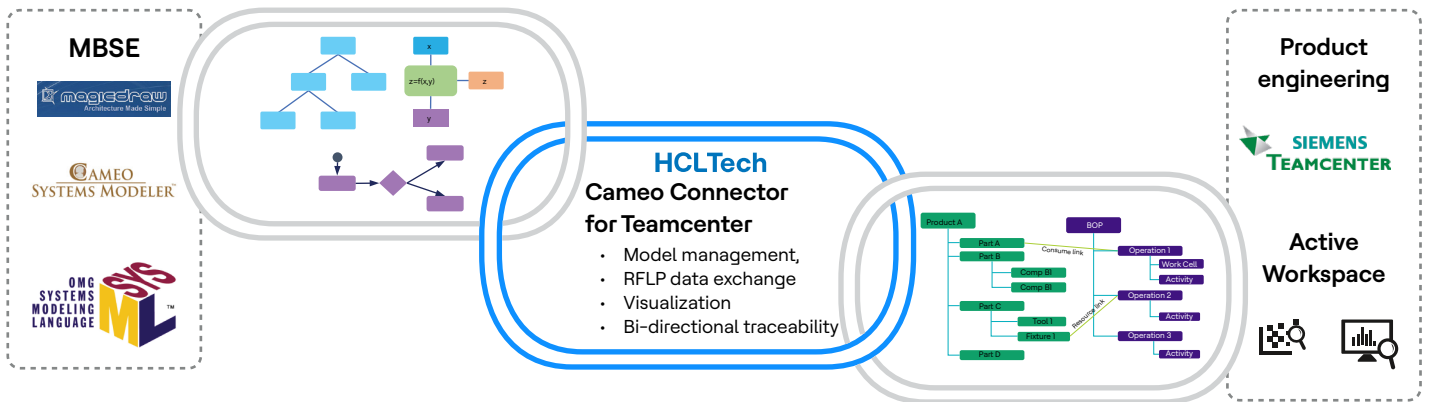


Cameo Connector for Teamcenter

Enabling collaboration across architecture and design

In today's digital era, conventional products are being transformed into smart, connected, multi-disciplinary products. Modernizing the product engineering and design methodologies to handle the complexities and scale is becoming inevitable. Model Based Systems Engineering tools (MBSE) address the challenges of architecting multi-disciplinary systems consisting of mechanical, electrical, electronic and software components. Product Lifecycle Management (PLM) tools enable management of detailed engineering artifacts to develop the product definition.

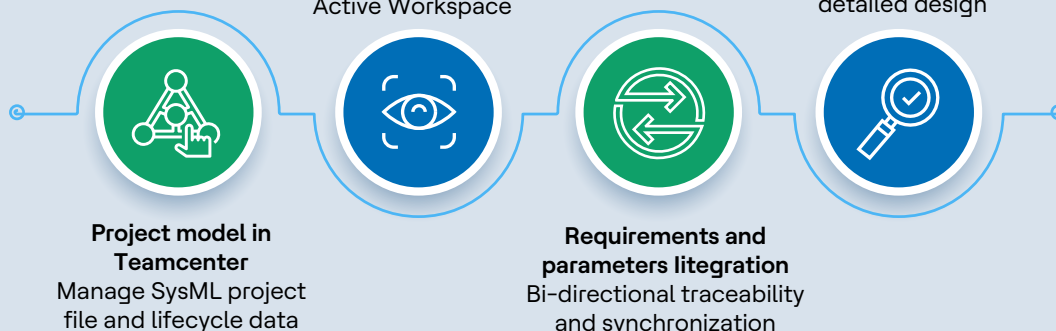
Smooth exchange of data between the MBSE tools and product design and development tools (PLM), is necessary to ensure seamless communication and consistency across different functional teams. HCLTech's "Cameo Connector for Teamcenter" delivers capability to integrate system modeling data and artifacts from Cameo Systems Modeler with Teamcenter PLM, ensuring the downstream connectivity of data and the bi-directional traceability across these tools. The solution offers unique features, including support for used projects, embedded views and more, to enable seamless experiences in native tools, while facilitating reuse, synchronization and change propagation.



Use cases

Architecture review by non-modelers
Review SysML diagrams, tables and matrices in Active Workspace

Trace architecture structure to BOM
Sync SysML structure to establish traceability to detailed design



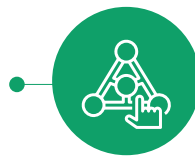
Key functionalities

- Model and diagram publication to Teamcenter and retrieval
- Teamcenter check-out/check-in/revise operation through Cameo
- Support for used projects/dependencies
- Support for Cameo models in Teamwork Cloud
- Requirement drag-n-drop from Teamcenter
- Customizable mapping for RFLP concepts and attributes
- Bi-directional synchronization
- Parameter drag-n-drop from Teamcenter
- Concurrent modeling with element check-out and diff-merge
- Support for comparing revisions
- Model revisioning, release workflow triggering
- Support for user groups and roles

Solution benefits

Effective model management

Expose Teamcenter PLM operations, such as saving, updating and revising, within Cameo modeling tool. In addition, the connector enables you to save selected diagrams (as images) and external files together with a project file in Siemens Teamcenter.



Reduction in Time-to-Market

Better MBSE can improve and shorten development times by enabling teams to collaborate and understand the impact of their design early in the product lifecycle. It minimizes the unnecessary rework and expense.



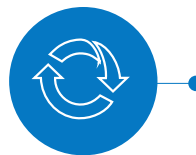
Traceability

Traceability across requirements, SysML models by closing the loop between downstream implementation with upstream plans.



Reusability

Increase the reusability of product requirements and system models as a byproduct of the development process. This helps to quickly achieve complex interdependent product targets, attributes and constraints for quick analysis before detailed design begins.



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