

Cameo Connector for Polarion

Seamless data exchange for
collaboration across MBSE and ALM



Overview

Today's complex products are developed by multiple teams working across requirements, system architecture, design and verification. While close alignment across these disciplines is critical, it is often difficult to achieve due to fragmented tools and data silos.

HCLTech Cameo Connector for Polarion eliminates these barriers by enabling seamless, bi-directional integration between Cameo Systems Modeler™ (or CATIA Magic) and Polarion™ portfolio. The connector simplifies exchange and synchronization of data,

enabling efficient workflows between requirements management, system architecture and product development teams, empowering teams to collaborate more effectively and make informed decisions faster.

Built with flexibility at its core, the solution supports diverse development methodologies and is well-suited for industries such as aerospace, automotive and software, helping organizations improve efficiency, transparency and product quality throughout the development lifecycle.

Our Solution

HCLTech Cameo Connector for Polarion is a robust integration solution that bridges the gap between Model-Based Systems Engineering (MBSE) and Application Lifecycle Management (ALM) tools. By enabling efficient data exchange between Cameo Systems Modeler and Polarion ALM, the connector helps organizations manage the growing complexity of modern product development with greater confidence and control.

The solution is engineered to tackle the complexities of modern product development by:

Enabling seamless data synchronization

across teams by ensuring that your system models, requirements and design data stay up-to-date and aligned across all tools



Optimizing cross-functional collaboration

by integrating different development domains, allowing teams to work together more efficiently and with greater insight



Improving traceability and accountability

by providing a clear, continuous link from initial requirements to design and testing, ensuring full visibility at every stage of the development lifecycle



Features



Import work items

Import live docs, query results and individual work items into CameoPublish data to Polarion: Transfer derived requirements and diagrams from Cameo to Polarion for easier management



Effortless navigation

Quickly access corresponding items in Cameo and Polarion



Custom mappings

Align data flows with your unique processes through customizable mapping definitions



Bi-directional sync

Ensure continuous synchronization between Cameo and Polarion



Support for baselines

Manage baselines and pinned items for accurate tracking and consistency

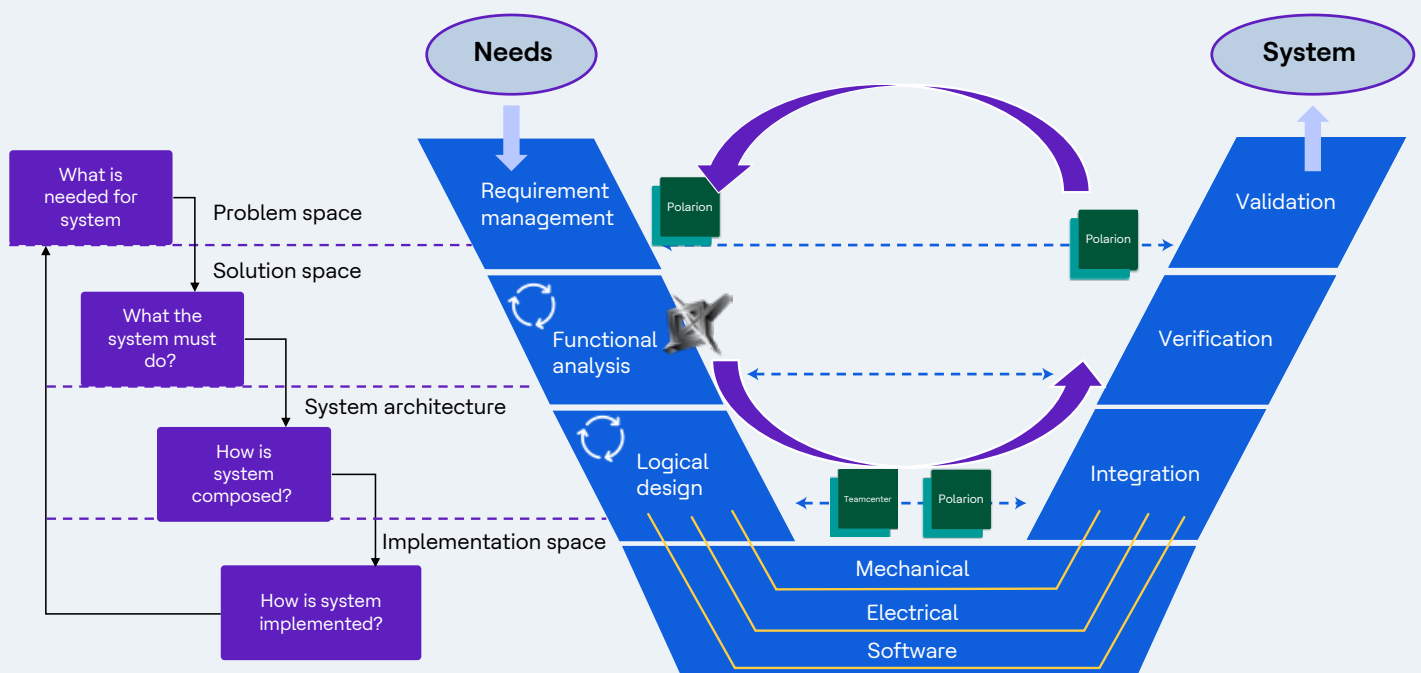


Direct linking

Simplify cross-tool interactions with direct linking for easier traceability

Solution Workflow

The **Cameo Connector for Polarion** streamlines the product development lifecycle by enabling seamless collaboration between MBSE and ALM environments. Below is a breakdown of how the tools interact within the solution framework:



Polarion™
portfolio



Cameo System
Modeler

Key Benefits

By adopting the Cameo Connector for Polarion, organizations realize measurable improvements across development efficiency and product quality:



Effective data management

Seamlessly import ALM data into system models, ensuring consistency and synchronization across tools



Comprehensive traceability

Track requirements to system models, maintaining clear audit trails



Faster time-to-market

Expedite the development process with early collaboration and faster decision-making



Enhanced reusability

Reuse and repurpose product requirements and system models, improving design efficiency and reducing redundant work in future projects

Success Stories

Transforming next-gen engineering operations through toolchain integration



Objective

Enable seamless, bi-directional interoperability between MBSE (Cameo) and ALM (Polarion) to reduce manual effort, maintain end-to-end traceability and enhance collaboration without disrupting existing processes.

Solution

Deployed HCLTech Cameo Connector for Polarion to enable native Cameo integration, configurable bi-directional data exchange, large dataset synchronization and digital thread enablement across MBSE and ALM.

Impact delivered

- Reduced manual export, transform and import cycles
- End-to-end traceability across architecture, requirements and tests
- Integrated digital thread governed in Polarion
- Scalable performance for large, complex datasets
- Successful limited rollout validating usability and impact

Click here to read more: [Transforming Engineering with MBSE-ALM Integration | HCLTech](#)

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