

Siemens PLM Software

Transitioning to the Teamcenter unified architecture

Simplifying PLM

Benefits

- *Greater productivity* with enhanced MCAD, ECAD and CAE management as well as unified software management
- *Greater control* for unified end-to-end PLM with the addition of requirements management, project and schedule management, as well as manufacturing process management and more
- *Greater manageability* for lower cost of ownership with an enhanced user experience that lowers training effort, eases configuration, does not require costly customization and provides an improved 4-tiered, service oriented architecture for easy, supportable deployability
- *Greater success* for transition when appropriate for your business with flexible transition strategies, tools, best practices and experience

Summary

Teamcenter® product lifecycle management (PLM) software powers innovation and productivity by helping connect people and processes with knowledge. Now, using Teamcenter software's unified architecture, you can gain greater productivity for your entire enterprise with the next generation, single source of product and process knowledge. With new, unified applications and an advanced PLM platform, Teamcenter helps you develop products faster, with greater success and at a lower cost of ownership.

Powering end-to-end PLM

Teamcenter is the first unified solution you can use for managing PLM data and processes from beginning to end. With a complete set of process management solutions built on top of the world's most widely used foundation for product data management, Teamcenter supports your entire product development process.

The Teamcenter unified architecture offers the most complete out-of-the-box solution for managing all of your product data. MCAD, ECAD, CAE, CAM and even software data can be managed in a common, truly complete bill-of-material (BOM) without the need for expensive custom integrations.

Teamcenter supports discipline-specific environments with solutions for engineering process management, simulation process management and manufacturing process management – all using the same single source of product and process knowledge.

Teamcenter is the only PLM solution to support unified requirements management. You can import requirements directly from your specification documents stored in Microsoft Word files and maintain an associative link between Teamcenter and the document, allowing you to use the application best suited to your needs. If you already have a requirements repository, it can be integrated bi-directionally with Teamcenter to support existing tool usage and improve product development with requirement-driven processes in Teamcenter. In addition, if you use Microsoft Excel, Teamcenter can help you maintain a "dynamic link" with Excel Live. Requirements in Teamcenter regardless of source can be processed through workflows and linked to other items. Traceability reports on parts and linked requirements provide visibility to how product and process data are related and to drive requirements. Requirements management capabilities enable a common "digital thread" across the entire product lifecycle.

Solution focus

via Siemens PLM Software's value delivery methodology to streamline your success

Features

- *Single source for all digital product definition and processes for MCAD, ECAD, software, CAE simulation, manufacturing*
- *Service oriented architecture for faster integration with external applications*
- *Advanced visualization for multi-CAD collaboration, digital mockup and digital validation*
- *Unified requirements and schedule management for improved productivity in a common environment*
- *Richer client options with common look and feel: Web Client, Rich Client and application-centric clients*
- *Advanced business modeler and integrated development environment (BMIDE) for easy configuration and deployment*
- *Support for Eclipse framework for easy data model extension using plug-ins*
- *Transition tools to support flexible strategies for transition from previous Teamcenter solutions*
- *Continued releases and support for Teamcenter Enterprise*
- *Teamcenter in the cloud enables rapid deployment and scalability*

TEAMCENTER



Teamcenter provides unified program and project management capabilities. Projects can be created, edited and viewed directly using the familiar Teamcenter environment and can be imported from or exported to Microsoft Project. Using Teamcenter, you have visibility to resource schedules to identify those who have the skills needed for a project and their availability. Project tasks can be related to workflows and deliverables managed using Teamcenter so that when a task in the workflow is completed, the project task and schedule are updated as well.

Lower cost of ownership

The Teamcenter unified architecture builds on Siemens PLM Software's undisputed leadership in the PLM industry and adds best-in-class technology to create the next logical evolution in product lifecycle management. With an enhanced, 4-tier, service oriented architecture (SOA) for improved performance, scalability and extensibility, the Teamcenter extended data model supports more domains and applications across your enterprise.

Richer client options include a powerful, intuitive Rich Client and an easy-to-deploy Thin Client both designed in the style of the easy-to-learn, easy-to-use Microsoft Outlook program to reduce training effort.

With the Active Workspace client, the Teamcenter user experience moves to the next level by providing a high performance proactive environment that is personalized, intuitive and context aware. Active Workspace helps you be more productive and informed – leading to smarter decisions and better products.

Teamcenter extends secure access to managed data across the entire value chain for community collaboration with suppliers, partners and customers who may interact via a portal with Teamcenter. When granting access to your Teamcenter environment is not possible, you can now exchange product design data intelligently using the Briefcase Browser with your suppliers whether they utilize Teamcenter or not.

Teamcenter also supports application-centric clients that allow you to access managed data without leaving your familiar work environment. NX™ software users have always been able to access Teamcenter directly, but now a greatly improved integration with Microsoft Office enables workers to interact with Teamcenter using Office applications for check-in/check-out and search according to their Teamcenter access rights. Teamcenter even provides direct access to managed data using Microsoft Windows Explorer.

Solution focus

The Teamcenter unified architecture is now even easier to configure and deploy to reduce maintenance and support costs. The business modeler integrated development environment (BMIDE) enables “codeless” configuration versus the “codeful” customization typical of traditional PDM implementations.

Extensions to your Teamcenter environment can be developed collaboratively and easily deployed. Extensions can be replicated to production environments across multiple sites with a single command. With support for the industry standard Eclipse framework, new plug-ins can be created and applied to extend your Teamcenter solution without expensive custom programming.

Once you have implemented the Teamcenter unified platform, adopting new applications no longer require upgrades of the whole PLM system. Teamcenter enables you to add new applications to your environment across different releases of Teamcenter. When the need arises, you can install new applications without a lengthy upgrade project. The independence of PLM platform and applications enabled by using Teamcenter further enable you to reduce total cost of ownership.

Teamcenter applications support multiple Teamcenter releases, allowing you to upgrade to a new release of a needed Teamcenter application without upgrading your entire installation, thereby reducing the cost of rolling out new capabilities to your users.

The application suite with Teamcenter on the unified platform is extensive. You can start with design, document, BOM and process

management. Extend with requirements, service lifecycle, manufacturing planning and supplier collaboration management. Transform with quality, cost and sustainability management, as well as systems engineering. All of this is on the same platform whenever you need those capabilities.

Ready when you are

You can continue using your current Teamcenter Enterprise solution as long as it suits your business requirements with the confidence that maintenance and support options are available well into the future. Siemens PLM Software is ready to support your transition to the added value of Teamcenter on the unified architecture whenever your business needs require it. Our transition tools, best practice methodologies and organizational expertise focus on:

- Flexibility in transition timeframes to meet business realities
- Availability of systems globally with zero downtime
- Continuity of existing processes and systems
- Expansion into new business value

Teamcenter is the world’s most widely used PLM solution for a reason. Our PLM value delivery methodology ensures the positive impact of a Teamcenter roll-out by aligning success criteria with your business goals, providing a structured, yet flexible project governance model and re-using best practices captured from our large customer base. We have a reputation for delivering on our promises.

Siemens Industry Software

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