

Features *continued*

- Define program-related constraints, including cost and scheduling controls, as well as compliance-related metrics that pertain to performance, maintainability, reliability, manufacturability, usability and ergonomics
- Integration with project management so you can consider requirements in the context of the project plan, giving you visibility to their impact on resources, cost and schedules that includes feedback from test to requirements compliance
- Familiar user interface that looks and acts like Windows Explorer/Outlook
- Short learning curves facilitated by Microsoft Office integrations that support “live” viewing/ editing through Microsoft Word and Excel
- Multi-user group environment that enables users to view and work on requirements concurrently in a controlled way
- Requirements versioning/ variant support
- Requirements-based configuration management, change processes and approval cycles
- “Lock-out” protections that prohibit users from accessing or modifying a requirement when that requirement is already being accessed by someone else

rest of intellectual capital that Teamcenter manages – such as the designs, documents, specifications, models and test results that comprise your product definitions. This connection is essential in allowing product requirements to directly influence the processes you use to make and execute design decisions.

Use cases

Teamcenter software’s requirements management capabilities can apply to numerous use case scenarios, including regulatory compliance impact analysis, trade studies and the continuous validation of product requirements.

“Build-in” regulatory compliance

Teamcenter provides support for regulatory compliance. Regulations, such as the Congressional Battery Act and EEU Directives, which stipulates that manufacturers pay for disposing/recycling their products. Using Teamcenter Requirements Management you can link these regulations into your product design, enabling you to “build in” end-of-life recycling considerations across the product life-cycle – thereby facilitating order of magnitude savings. For example, suppose an automotive manufacturer carries \$150 liability to cover the cost of vehicle disposal. If you can drive the cost of recycling/disposal from \$150 to \$50 and multiply that savings by millions of vehicles, it’s easy to see how companies can save hundreds of millions of dollars by adopting a comprehensive recycling initiative early in the product development cycle.

Continuously validate requirements

The National Highway Traffic Safety Administration’s (NHTSA) vehicle recalls database reports there are more than 22 million product recalls. Most of these recalls are a direct effect of the failure to validate requirements as the product evolves. Using Teamcenter you can link and continuously validate requirements as the product and requirements evolve enabling everyone to more efficiently and cost effectively plan their work and make more informed decisions. At an average cost of \$100/vehicle companies can save hundreds of millions of dollars by using Teamcenter to continuously validate requirements across the entire product life-cycle, instead of discovering the problem after it’s in the customers driveway.

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