

Interoperability Solutions

Interoperability solutions help organizations to optimize and digitize processes, and leverage their existing PLM investments.

Our Interoperability Products

ENOVIA – Teamcenter Integration Solution (V5xPDM Gateway):

An enterprise integration solution approved by Dassault Systèmes and Siemens PLM Software, which facilitates exchange of data between CATIA V5/ ENOVIA V5 VPM and an enterprise PDM system.

DELMIA – Teamcenter Integration

Solution: An enterprise integration solution approved by Dassault Systèmes and Siemens PLM Software that allows process integration of design, engineering and manufacturing data between DELMIA Manufacturing Hub and Teamcenter.

PLM Adapters for Windchill and

Teamcenter: IBM WMQ/WBI/WPS compliant adapters.

Product development is a complex process that involves integration of activities across the extended enterprise. If the environment is fragmented, it leads to higher costs for engineering changes and a greater time-to-market for the product, thus affecting the business economics adversely.

Geometric’s interoperability solutions help connect such fragmented processes through digital BOM synchronization, and integrated engineering change management. This optimal connectivity delivers a single version of data across the extended enterprise. It allows collaboration between stakeholders, and helps detect potential quality issues early in the product lifecycle, thus facilitating implementation of engineering changes with reduced rework, and associated costs.

| Offerings | Interop Solutions Consulting | PLM Process Enablement & Optimization | PLM Applications Integration | PLM Migration |
|-----------|---------------------------------------|--|------------------------------|---|
| Scope | Interop Opportunity Assessment | BOM Synchronization | PDM-PDM | Assessment |
| | Application Rationalization | Collaborative Change Management | PDM-CAD/ CAE | Approach Identification |
| | Interop Solution Evaluation | Configuration Management | PDM-Mfg | Data Migration |
| | | Supplier Integration | PDM-ERP | Data Validation |
| Assets | Process Modeling & Optimization Tools | ENOVIA-Teamcenter Solution (xPDM) | | GMS adapters for Pro/ Intranlink & VPM V4 |
| | Strategy Objective Target (SOT) Maps | Teamcenter-DELMIA Mfg Hub Solution (xPDM) | | Migration Adapters |
| | Modified Spaghetti Diagram Approach | PLM Adapters: Windchill & Teamcenter (ESB) | | Data Validations Tools |
| | | xPDM Gateway | | |

Deployment Methodology

Our mature and tested methodology comprises of the following process:

- **Assessment:** Creation and validation of the solution concept to suit business and integration requirements.
- **Concept Validation (POC):** Validation of critical user requirements in a test environment and definition of detailed requirements and acceptance criteria.
- **Implementation/ Adaptation:** Creation/ enhancement of the solution as per the scope identified in the previous phase, and its validation in a test environment.
- **Deployment:** Deployment of the solution in the user environment and training of the users.
- **Support:** Support to end users for effective utilization of the solution.

Customer Testimonial

“Windchill Adapters by Geometric have helped us to improve the design collaboration between different departments, subsidiary companies across the globe. It has significantly improved design productivity and quality by automated product structure and document synchronization in our heterogeneous PDM System Landscape.”

Christoph Leber,
Application Owner, ABB

The Geometric Advantage

Interoperability solutions expertise

- Over 2500 person years of experience in delivering interoperability solutions
- Over 100 successful engagements

Improved product development

- Accelerated and smooth adoption of global product development strategies
- Improved New Product Introduction (NPI) productivity achieved by digitizing BOM synchronization, and integrating engineering change management processes

Reduction in cost and effort

- Reduced manual effort for data transfer

Return on Investment (ROI) realization

- Complete ROI realization on PLM investments by connecting a fragmented enterprise

Success Story

Interoperability for a leading F1 automotive OEM

A leading Formula 1 automotive OEM was seeking a partner to support their existing design processes. We deployed our proprietary enterprise interoperability solution, V5xPDM Gateway to enable exchange of design and engineering data between ENOVIA V5 and Teamcenter Engineering.

The solution was deployed in six weeks, and supported newer releases of Teamcenter and ENOVIA V5. The solution ensured maturity based exchange of product and engineering data providing latest design artifacts in both the systems. It thus allowed concurrent design with reduced design cycles. The customer was able to maximize design efficiency by collaboration between engineering and design users.

Contact us

interopsolutions@geometricglobal.com

About Geometric

Geometric is a specialist in the domain of engineering solutions, services and technologies. Its portfolio of Global Engineering services and Digital Technology solutions for Product Lifecycle Management (PLM) enables companies to formulate, implement, and execute global engineering and manufacturing strategies aimed at achieving greater efficiencies in the product realization lifecycle.

Headquartered in Mumbai, India, Geometric was incorporated in 1994 and is listed on the Bombay and National Stock Exchanges. The company recorded consolidated revenues of Rupees 5.98 billion (US Dollars 129.47 million) for the year ended March 2009. It employs close to 3000 people across 11 global delivery locations in the US, France, Romania, India, and China. Geometric is assessed at SEI CMMI Level 5 for its software services and ISO 9001:2000 certified for engineering operations. For further details, please visit www.geometricglobal.com.

The copyright/trademarks of all products referenced herein are held by their respective companies.

