

## ENOVIA SmarTeam V5 Product Portfolio

*Collaborative Product Data Management for the Mid-Market and Engineering Departments*



# ENOVIA SmarTeam V5 Product Portfolio

## *Collaborative Product Data Management for the Mid-Market and Engineering Departments*

**ENOVIA SmarTeam** is a leading provider of full Product Lifecycle Management (PLM) to mid-market businesses and engineering departments for larger enterprises. It helps its best-in-class customers to create excellent products through its SmarTeam portfolio of PLM products and solutions, concentrating on collaborative product data management (cPDM).

**ENOVIA SmarTeam** has a robust PLM offering with one of the fastest-growing customer bases for the mid-market, with more than 6,000 customers worldwide in the automotive, aerospace and defense supply chains, industrial equipment and consumer goods, high tech (electrical & electronic), and across most other industrial sectors. Its broad portfolio enables engineering departments of large enterprises and mid-market businesses, especially those using a Microsoft® platform, to efficiently manage and leverage product knowledge and business processes from concept through manufacturing. ENOVIA SmarTeam solutions help companies meet quality targets, reduce costs, comply with standards, shorten time-to-market and promote innovation.

**ENOVIA SmarTeam** is a product line within the ENOVIA brand portfolio, along with ENOVIA VPLM and ENOVIA MatrixOne.



**ENOVIA SmarTeam** helps its customers optimally integrate, reuse, and manage their product knowledge, support NPDI (New Product Development & Introduction) concepts and processes from early stages of idea, concept through development, design and manufacturing; up to recycling and disposal, accelerating time-to-market while reducing costs, promoting quality, and streamlining responsiveness to customers, the market, and diverse compliance demands. ENOVIA customers enjoy rapid return on investment (ROI) through out-of-the box yet flexible solutions that control product information and drive business processes organization-wide – across design and engineering, the entire enterprise, and the supply chain.

#### **Flexible Approach, Rapid Benefits**

ENOVIA mid-market customers typically take a phased approach, gradually and cost-effectively deploying a PLM solution over time, with real business benefits at every phase. What distinguishes ENOVIA SmarTeam from PLM systems with a similar target market is a full focus on: out-of-the-box, low total-cost ownership and flexibility, delivered with comprehensive PLM functionality. These combine powerfully to deliver rapid ROI and enrich the organization with a visionary, sustainable investment for optimizing work.

#### **Real business benefits at every phase**

**ENOVIA SmarTeam** provides collaborative offerings focused on the concentric areas of product development, offering a context-driven approach categorized according to roles within Design, Engineering and Enterprise domains. The phased modular approach of ENOVIA SmarTeam is made possible due to a unified platform across all products that enables collaboration between users across these different areas. Companies can scale up to enable collaboration across global organizations or supply chains, according to their needs.



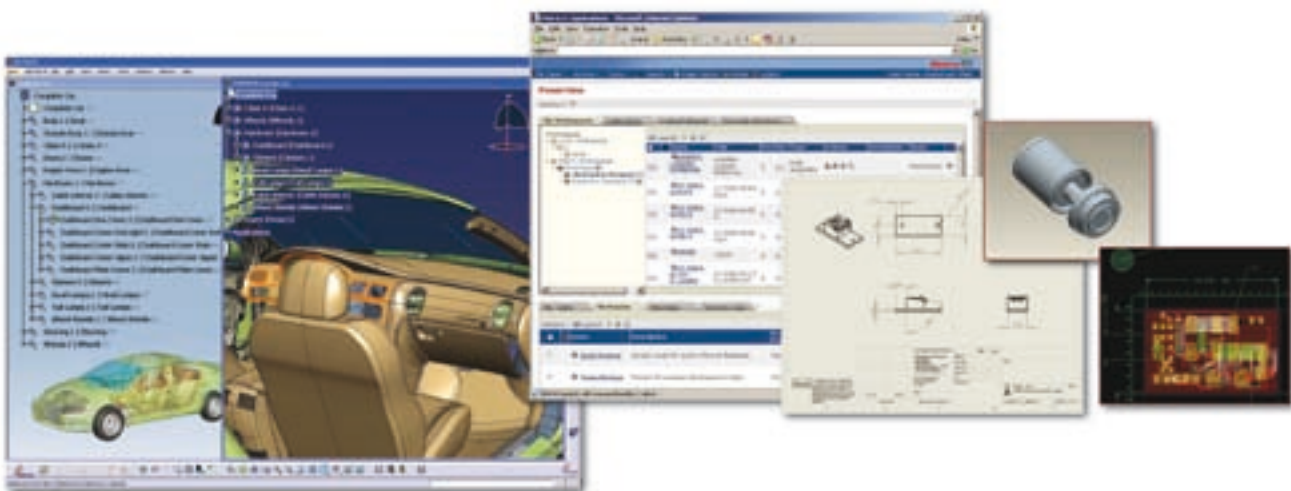
# The ENOVIA V5 Brand

The ENOVIA collaborative product development environment addresses the full spectrum of product and business processes, from small-scale teams to extended enterprises with many thousands of users. ENOVIA offers solutions to manage simple as well as highly engineered complex products across a broad range of industries. The solutions are flexible, rapidly deployed, and easily configurable to provide secure product data management and collaborative benefits across teams, departments, and work sites, customers, suppliers and other value chain partners.

The ENOVIA portfolio includes:

- **ENOVIA VPLM**, a virtual product development environment for designers, sourcing specialists and production planners in medium to large companies.
- **ENOVIA SmarTeam** provides collaborative product data management solutions for mid-sized companies and engineering divisions of large organizations.

- **ENOVIA MatrixOne** solutions provide collaborative business processes for the enterprise level organization, including industry specific solutions based on proven best practices.



# ENOVIA SmarTeam V5 Product Groupings

The ENOVIA SmarTeam product portfolio is grouped by organizational role and enterprise infrastructure.

The main roles are:

- **Editor** – manages, links and releases technical documents in the context of the product, with data integrity ensured. This role is used to enable users outside the engineering department to take part in engineering processes by interacting with product-related data and contributing product related content, such as requirement and specification documents.
- **Designer** – manages all design activities in an immersive multi-CAD, multi-data environment. This role is most appropriate for design engineers. The ENOVIA SmarTeam Designer role delivers powerful CATIA and Multi CAD data management, enabling global design collaboration.

- **Engineer** – manages E-BOM, M-BOM, item lifecycle, engineering release and change processes. This role may be filled by different individuals within the organization, such as product manager, configuration manager and configuration engineer, CAD designer, SRM manager working with a sub-contractor, or production manager.
- **Navigator** – enables non-engineers to intuitively access product information and join in business processes.
- **Community member** – manages collaboration with external partners, with access to only specific product data.

All are delivered on top of the same ENOVIA SmarTeam enterprise infrastructure and PLM foundation.

ENOVIA SmarTeam provides a flexible, extendable, open distributed platform that extends PLM collaborative benefits across physical sites, applications, platforms and time zones.

Additional product offering components not pictured here include the Regulatory Compliance Framework, Program Management, Development Suite and Job Server.



# ENOVIA SmarTeam V5 User-Roles Products

## **Editor**

### ***SmarTeam – Editor (EDR)***

This product is the core, product lifecycle collaboration application of the ENOVIA SmarTeam product suite. It provides business collaboration solutions that enable organizations to collaboratively share, exchange, view, manage and track product information from concept to retirement, as well as create, modify, view and annotate engineering and office-type documents.

Local and remote individuals and teams working on multi-platforms (Windows or Unix), can participate in all PLM activities in a secure manner, through either Windows or Web interfaces. Using SmarTeam – Editor, businesses gain improvements in product quality, reduce costs, expedite project turnaround, comply with industry standards and shorten time-to-market.

Integrating with complementary ENOVIA SmarTeam products, design team members can have full access from anywhere to corporate information, contribute to product development, initiate and participate in workflow processes, and keep track of program-related data, such as projects, tasks and resources, at any time.

In combination with other products in the ENOVIA SmarTeam suite, SmarTeam – Editor provides a uniquely cost-effective and rapidly implemented collaborative Product Lifecycle Management (PLM) solution.

## **Community**

### ***SmarTeam – Community Workspace (CMT)***

This product is a Web-based project-oriented, collaborative portal that enables global product teams to easily, securely, and cost-effectively collaborate on and manage product information within their extended enterprise and across the supply chain, creating a true 'e-business on demand' environment. Within unique Web portals, virtual product development communities – after passing through rigorous authorization – collaborate on a defined set of data from within the ENOVIA SmarTeam database. Workflow participation is enabled through the ENOVIA SmarTeam – Workflow product.

By enabling online collaboration, SmarTeam – Community Workspace brings e-Business across the extended enterprise and across the supply chain helping companies optimize product development processes with maximum flexibility.

## **Navigator**

### ***SmarTeam – Navigator (NVR)***

This product utilizes standard Web technologies to provide company users working on multi-platforms with read-only access to collaborative Product Lifecycle Management through standard Internet browsers in a dynamic and secure environment.

Whether within the enterprise inside the corporate LAN, or dispersed in remote locations across the corporate firewall using a WAN, SmarTeam – Navigator users can access, search, view and annotate engineering and office type documents and multiple document revisions. In this manner, regardless of geographical location, or operating system in use, design team members can have access to corporate information, easily track product data, improve worldwide collaboration and decision-making, and participate in workflow processes (through SmarTeam – Workflow) at any time.

## Designer

### **SmarTeam – CATIA Integration (CAI)**

This product embeds ENOVIA SmarTeam within the native CATIA V5 and ENOVIA V5 DMU environments. This product enables organizations to easily manage and collaborate on product information from early in the design phase by bringing rich, seamlessly integrated, Windows-based, PDM functionality to users. The easy-to-use integration lets users create, edit and annotate design and other documents, and manage the data using embedded ENOVIA SmarTeam menus, icons and tree structures. It seamlessly integrates the Dassault Systèmes 3D PLM viewer, providing native CATIA V5 visualization.

CAI creates automatic, bi-directional attribute mapping and link dependencies during lifecycle operations, helping users easily manage complex product structures, including component parts, designs and documents, and rapidly access files and related data. Compatibility with the CATIA 64-bit environment lets users leverage their system's greater processing power to manage large assemblies easily.

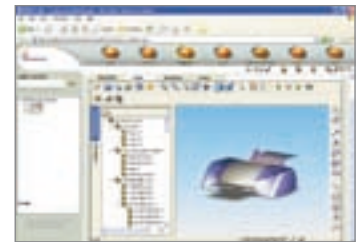
Seamless integration with CATIA's impact analysis capabilities further maximizes decision support, helping users assess how a change will affect dependencies. CAI manages CATIA files from different releases, enabling collaboration with OEMs and others using different CATIA versions.

CAI users can benefit from seamless V5 digital mock-up (DMU) review processes. From within CAI, users can open the V5 DMU window, retrieve the needed CATIA V5 data, perform DMU tasks (such as mockup or validation), and store and manage the results.

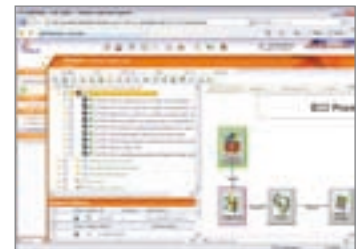
SmarTeam – CATIA Integration promotes efficient management of large CATIA assemblies and facilitates concurrent design by accelerating the attachment of the required light representation, facilitating tree navigation, updating the light representation and enabling comparison of different revisions in the same CATIA session.



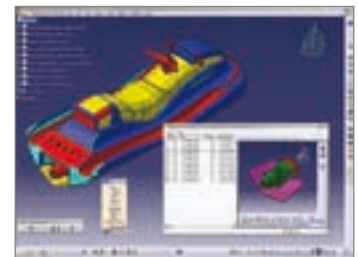
*SmarTeam – Editor (EDR)*



*SmarTeam – Community Workspace (CMT)*



*SmarTeam – Navigator (NVR)*



*SmarTeam – CATIA Integration (CAI)*

### ***SmarTeam – CATIA Web Integration (CWI)***

This product is a Web-based, intuitive, thin client, product lifecycle collaboration solution for CATIA V5 and ENOVIA DMU Navigator users. Whether within the enterprise inside the corporate LAN, or, dispersed in remote locations across the corporate firewall using a WAN, CWI enables enterprise users and authorized suppliers, working on multiple platforms, to manage CATIA documents from directly within the familiar CATIA environment easily and securely. CWI enables remote access of CATIA users to CATIA data stored in ENOVIA SmarTeam.

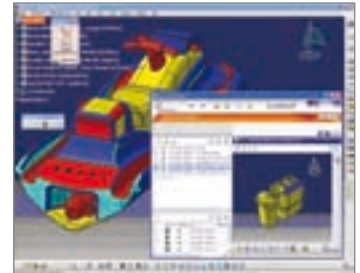
Although CATIA runs in a Windows environment, the SmarTeam – CATIA Web Integration takes advantage of the standard Web technologies provided by ENOVIA SmarTeam's Web-based interface, offering comprehensive access to a central ENOVIA SmarTeam database and managed files for individual users and teams working remotely on multiple platforms. CWI enables users to manipulate product data easily in a dynamic and secure environment from any location.

With SmarTeam – CATIA Web Integration, CATIA users easily access, search, visualize, manipulate, create, store and share designs, reports, analyses and manufacturing information together with other types of documents such as Microsoft Word and Excel files. SmarTeam – CATIA Web Integration dramatically reduces errors and saves time by eliminating the inefficiency of working on outdated designs and the need to re-key data, while ensuring revision accuracy and facilitating substantial design efficiencies.

The SmarTeam – CATIA Web Integration offers most of the functionalities provided by SmarTeam – CATIA Integration. In addition, CWI offers the following advantages for CATIA users:

- *Easy application deployment*
- *Access over the Web*
- *Possibility of switching between databases.*

CWI extends PLM deployment flexibility for CATIA V5 customers, offering fast, one-stop installation and upkeep, and supporting a company's strategy to expand use of Web architecture.



*SmarTeam – CATIA Web Integration (CWI)*



**SmarTeam – CATIA Supply Chain Engineering Exchange (SEE)**

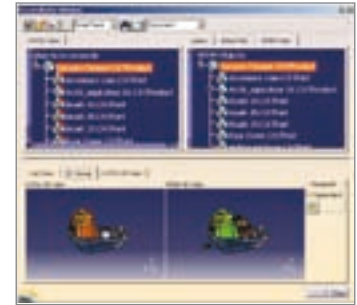
This product provides differentiating value to ENOVIA SmarTeam customers by accelerating supply chain collaboration around the exchange of CATIA V5 relational data. SEE provides an authentic, lifecycle-managed CATIA V5 compare and reconciliation process that maintains data integrity and links consistency, even when the collaborating partner has a different environment (e.g. ENOVIA SmarTeam, ENOVIA VPLM, or any other PDM system).

Available to SmarTeam – CATIA Integration users, SEE allows the design engineer to visualize and perform a 3D comparison of a set or subset of CATIA documents received, and select and reconcile the preferred documents among the existing ENOVIA SmarTeam-managed CATIA V5 data. SEE manages the process while adhering to CATIA V5 relational design associativity rules. SEE users can also track documents even if the CATIA internal identifier changes.

Users can also customize the system without having to acquire programming tools. Customization allows the user's queries to be more selective, making mapping easier and shortening work processes.

SEE adds further benefits through report generation and printing, predefined rules for queries, identification and reconciliation, and batch requests. It offers native reconciliation of ENOVIA VPLM V5 (or STEP) documents, especially CATProduct.

SmarTeam – CATIA Supply Chain Engineering Exchange addresses daily supply chain interaction pains, improving decision-making, eliminating errors, saving time and helping companies maximize productivity with value chain partners and gain competitive advantages by providing innovative products to market faster.



*SmarTeam – CATIA Supply Chain Engineering Exchange (SEE)*

### ***SmarTeam – CAD Integrations***

Many manufacturers use more than one CAD system, meaning that core data needs to be managed by an efficient product data management solution. Due to the complexities of different systems and geographies, this data is often not available or difficult to access.

With ENOVIA SmarTeam's Multi CAD advantage, more users across the supply chain will be able to access and share product-related information, quickly and easily.

ENOVIA SmarTeam provides industry-leading immersive CAD integrations including AutoCAD, Autodesk® Inventor™, Solid Edge and SolidWorks® :

- ***SmarTeam – AC Integration (ACI)***
- ***SmarTeam – IN Integration (INI)***
- ***SmarTeam – SE Integration (SEI)***
- ***SmarTeam – SolidWorks Integration (SWI)***

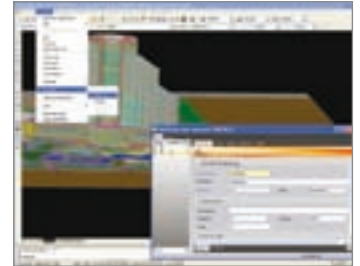
These products bring the benefits of collaborative PLM directly to the CAD users, enabling them to work in the native CAD environment while leveraging ENOVIA SmarTeam's powerful collaborative backbone to access, manage and share engineering data.

Engineering teams can collaborate on product structures, with dependencies intact, and perform concurrent engineering on different parts of the same assembly. Non-CAD users can view ENOVIA SmarTeam-managed design content for better understanding of the product, and participate in review processes via redlining, markup and other activities.

ENOVIA SmarTeam enables CAD users to efficiently create, edit and annotate design and related documents, including office type documents. Powerful search, 'where used' retrieval and product lifecycle operations enhance work and design reuse across diverse teams. ENOVIA SmarTeam maps design properties to the repository, eliminating re-keying. Ongoing version control ensures that users know they are working with the latest data.

ENOVIA SmarTeam creates a true Multi CAD environment, enabling organizations to integrate and manage all CAD and related product data from a single collaborative system while embedding world-class PLM benefits within different CAD applications. These capabilities dramatically reduce errors and save valuable time.

Additional integrations (Pro/ENGINEER, ...) are available through partner vendors.



*SmarTeam – AC Integration (ACI)*



*SmarTeam – IN Integration (INI)*



*SmarTeam – SE Integration (SEI)*



*SmarTeam – SolidWorks Integration (SWI)*  
Image courtesy of Citizen

### ***SmarTeam – Multi CAD Integration (MCI)***

In order to be innovative and comply with business needs, organizations usually use more than a single CAD application to best design their products. ENOVIA SmarTeam provides best-in-class CAD data management through seamless, immersive CAD integrations to SolidWorks, AutoCAD, Inventor, and Solid Edge. SmarTeam – Multi CAD Integration (MCI) creates the conditions necessary for users to collaborate among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment. A single flexible license of SmarTeam–Multi CAD is applicable for any of the different CAD integrations, enabling organizations to switch licensing between designers as appropriate, increasing their return on investment from ENOVIA SmarTeam.

### **Engineer**

#### ***SmarTeam – BOM (BOM)***

This product addresses the needs of Collaborative Engineering scenarios across the extended enterprise, as well as Supply Chain Collaboration from an Item and Bills of Material (BOM)-centric approach.

With SmarTeam –BOM, these advanced capabilities are integrated directly from within SmarTeam – Editor, SmarTeam – Workflow, Multi CAD Integrations, and from SmarTeam– Editor’s Web interface, for remote connectivity. This product enables companies to manage the product structure with exceptional flexibility, standardizing delivery of product knowledge across disciplines within and beyond engineering.

ENOVIA SmarTeam – BOM provides full control over an item’s engineering state while integrating all business logic and lifecycle behaviors, enabling PLM solutions based on item management. Transitioning from document-centric to item-centric management of all product data and processes brings enormous business value to an organization.



*SmarTeam – BOM (BOM)*

# ENOVIA SmarTeam V5 Cross-User Options Products

## ***SmarTeam – Workflow (WFL)***

This product is a workflow automation and management solution that streamlines business processes and expedites engineering changes while harnessing expertise to optimize decision-making. WFL enables users to manage project workflow via embedded flowcharts, track project status, get alerts on ‘almost’ and ‘past due’ processes, and proliferate process knowledge across the organization by automatically routing work from one stage to the next. Users can initiate a workflow by choosing from a list of pre-defined engineering change processes (Engineering Change Process, Engineering Change Request, Engineering Change Notice, Engineering Change Order) or easily custom-define additional workflow processes.

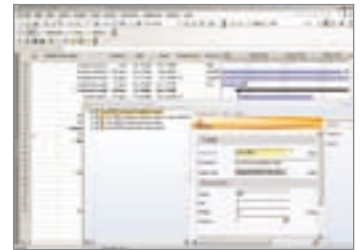
## ***SmarTeam – Program Management (PGM)***

This product is an out-of-the box, yet customizable, full-featured, multi-platform collaborative program management solution. It enables the storage and management of the vast amount of program-related information, including multiple projects, timelines, tasks, deliverables and resources, and tightly connects them to product and process-related knowledge, such as Workflow processes, Documents and Bills of Material. SmarTeam—Program Management provides dispersed users throughout the extended Enterprise and across the value chain with a single, unified environment to easily, efficiently, and securely manage and share these elements in real-time through an intuitive, role-based user interface, eliminating error-prone manual data entries, and decreasing costs and time-to-market.

SmarTeam—Program Management embeds an integration to Microsoft Project.



*SmarTeam – Workflow (WFL)*



*SmarTeam – Program Management (PGM)*

### **SmarTeam – Regulatory Compliance Framework (RCF)**

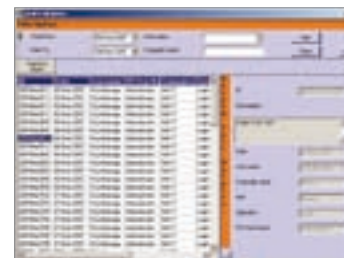
This product provides a rapidly implementable best practice business solution, specifically designed for customers who need to comply with industry-specific regulations. It provides a solution to help companies accelerate compliance, for example, FDA regulations throughout the entire design and manufacturing process. SmarTeam – Regulatory Compliance Framework dramatically reduces product development costs and standardizes approval processes across the organization while enabling flexible automation of processes and adapting the work environment to specific needs.

With support for Windows and Web applications, SmarTeam – Regulatory Compliance Framework also provides all functionality required to support the US Food and Drug Administration's (FDA) 21 CFR Part 11 regulation. SmarTeam – Regulatory Compliance Framework is comprised of the following components:

The Electronic Signature functionality allows companies various ways of signing off data electronically. Using SmarTeam – Workflow (WFL), the Electronic Signature process is embedded in product lifecycle process flows, to be executed before a release process, and is available only to authorized users. The signer name, time stamp of signature and effect are all stored in the secured database.

As required by certain regulatory clauses, such as 21 CFR Part11, Audit Trail records are generated electronically for all add, update and delete operations. As the Audit Trail records are managed in an internal class of ENOVIA SmarTeam, they cannot be accessed or modified by users.

Enhanced Security provides built-in controls for adhering to strict protection guidelines. This is an advanced security mechanism, for authenticating product records.



*SmarTeam – Regulatory Compliance Framework (RCF)*

# ENOVIA SmarTeam V5 Site Services Products

## **SmarTeam – Foundation (FDN)**

SmarTeam – Foundation is a complete enterprise product information collaboration platform that enables teams across the extended enterprise to collaborate on product data in a concurrent engineering environment. It delivers complete organizational collaboration across all enterprise applications and is configured for optimal use of the company's information technology infrastructure.

As manufacturing enterprises grow, the need to control and share vast amounts of product information grows exponentially. SmarTeam – Foundation leverages a unique combination of leading-edge technologies to create a robust, secure, open, flexible and scalable collaborative product data management solution, enabling global manufacturers to achieve their goals.

SmarTeam – Foundation provides secure, real-time access to product data for authorized users, from virtually anywhere on the globe. Users only have to log-in once in order to access a variety of administrative tools used with ENOVIA SmarTeam products. The ENOVIA SmarTeam repository ensures data integrity and core technologies enable global access. LDAP support enables all ENOVIA SmarTeam products to support authentication of users against an LDAP server (such as Windows Active Directory, IBM Directory Server and others).

ENOVIA SmarTeam's HTTP-based vault platform provides improved and secured connectivity and more options for various PLM deployment patterns. The vault infrastructure inherent in the SmarTeam – Foundation product makes remote user access over the Web more effective through improved performance and connectivity. This translates into better user productivity and ability to support additional concurrent users.

## **Multi-site**

ENOVIA SmarTeam provides two levels of Multi-site collaboration:

- *The full Multi-site solution (MUS), which enables replication of metadata (database information) and vault data*
- *The Multi-site Vault solution (MUV), a subset of the full Multi-site solution, which enables vault replication only and requires working with a central database for managing ENOVIA SmarTeam metadata.*

## **SmarTeam – Multi-site (MUS)**

This product is a rapid, safe, and easy-to-implement asynchronous replication solution including full data sharing and efficient collaboration on product data to dispersed team members in distributed organizations. Maintaining data integrity and high performance at all sites, SmarTeam – Multi-site allows company users working in different physical locations to access the same database, share the same resources and files, and work on mutual projects.

### **SmarTeam – Multi-site Vault (MUV)**

This product is an asynchronous replication solution, designed for the distributed environment that enables dispersed team members to collaborate efficiently on product data.

SmarTeam – Multi-site Vault implementation is based on using a central database and a replication of the vault files between several additional sites of the same organization. It allows users in the different sites to collaborate on the same project while using files that have been replicated to the local site, ensuring high performance. Work with a central database requires network connectivity between all sites that access the ENOVIA SmarTeam metadata.

Both SmarTeam – Multi-site (MUS) and SmarTeam – Multi-site Vault (MUV) support RepliWeb RDS 2.6.

### **SmarTeam – Gateway (GWY)**

SmarTeam – Gateway provides bi-directional data exchange between ENOVIA SmarTeam and multiple enterprise applications, bringing the benefits of revision management, change control, and collaboration to global enterprises. SmarTeam – Gateway reduces the product development cycle by connecting the company’s design data to its various enterprise applications.

SmarTeam – Gateway exposes the ENOVIA SmarTeam product information repository to Enterprise applications, enabling businesses to share and exchange the latest product data, including Parts, Bill of Materials, Change Processes, and Document information, across engineering design, manufacturing logistics, customer service, and other legacy systems.

SmarTeam – Gateway, dedicated to connectivity with other Enterprise Applications, brings e-Business across the extended enterprise. The result is that companies leverage and extend their Intellectual Property with maximum flexibility, generating a true ‘e-Business on demand’ environment. SmarTeam – Gateway is a platform dedicated to IT or administrators, rather than a product for end users.



*SmarTeam – Foundation (FDN)*



*SmarTeam – Multi-site (MUS)*

### ***SmarTeam – Development Suite (DVS)***

This product is a tool for enhanced development. SmarTeam – Development Suite expands on SmarTeam – Foundation’s Windows-based customizability by providing the ability to access the ENOVIA SmarTeam API from any platform, via the Web. SmarTeam – Development Suite allows organizations to deliver PLM capabilities to enterprise-wide systems and transfer structured product data between them, helping organizations meet their business needs faster and reduce infrastructure investment.

SmarTeam – Development Suite enables organizations to leverage ENOVIA SmarTeam collaborative PLM into any system, on any platform, anywhere, so as to streamline business processes, leverage investments, and enhance applications. Organizations can then share data in-house, across their value chain, or within their customer base in a cohesive manner, regardless of the system in use.

The product’s enhanced visual components that enable users to integrate ENOVIA SmarTeam Web-based prepackaged components with the same look-and-feel into their organization’s Web portals. Additionally, SmarTeam – Development Suite provides a mechanism for sharing data between different data management systems. Information can now be easily shared between systems within your organization, and across partner companies and supply chain members, without imposing any restrictions on using specific software applications or systems.

### ***SmarTeam – Job Server (JBS)***

This product is a server-side application which increases efficiency by performing and managing user tasks in the background. Job Server handles centralized ENOVIA SmarTeam activities such as Silent Release, Mail Server, Print Server and custom jobs. Job Server frees ENOVIA SmarTeam users from excess human intervention, as the system performs these activities automatically. It also optimizes the approval processes in the enterprise’s organizational environment.



*SmarTeam –Job Server (JBS)*

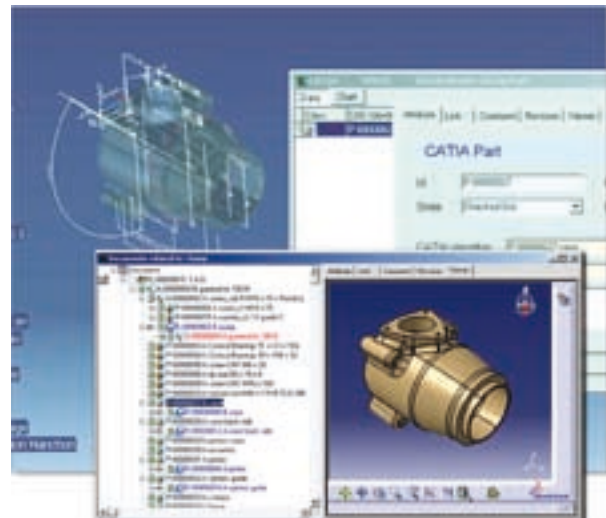


# ENOVIA SmarTeam V5 Express Packages

The ENOVIA SmarTeam Express offering is an out-of-the-box, best practice PLM solution. It offers mid-sized companies a modular and flexible solution that is affordable, easy to learn and use. With ENOVIA SmarTeam Express, companies can implement PLM quickly, one phase at a time. Companies can start small and scale up according to their evolving PLM needs with little impact on hardware, and no services up front.

**SmarTeam Design Express (SDE) and SmarTeam Engineering Express (SNE)** – together with CATIA, other leading CAD applications, SmarTeam core products and engineering collaboration on a unified platform, makes PLM easier than ever to launch and extend. ENOVIA SmarTeam’s ‘start small, grow as you go’ Express offering delivers quick-start, scalable core design and engineering collaboration, driving best-practice deployment.

ENOVIA SmarTeam’s modular, out-of-the-box Express offering can be used as a quick start PLM implementation or to extend an existing SmarTeam deployment. Moreover, SmarTeam core capabilities can also be added on top of an existing Express deployment.



# Companion Products

The ENOVIA SmarTeam product portfolio is supplemented by companion teaching products that provide an easy-to-use, one-source learning and support system for understanding how to leverage ENOVIA SmarTeam's capabilities, maximizing productivity for the user community.

## ***SmarTeam – User Companion Fundamentals (SUS)***

This product provides the core skills for engaging in PLM. It teaches users how to efficiently store, retrieve and manage product-related information, and share it throughout the extended enterprise. Users learn how to initiate and drive business processes throughout the product lifecycle.

## ***SmarTeam – User Companion for CATIA Integration (CIS)***

This product teaches users to create product-related information while using digital mock-up and workbench tools with CATIA V5 data. Developed to enable CATIA designers to take full benefit of the embedded PLM environment delivered by ENOVIA SmarTeam, it applies existing user knowledge of CATIA V5 Fundamentals to collaborative design in ENOVIA SmarTeam.

## ***Companion Development Studio (CDS)***

This product provides companies with the capability to customize the WLS suite of products. Through an intuitive interface, the sophisticated companion environment allows the development of integrated learning resources for CATIA, ENOVIA and ENOVIA SmarTeam products usage. Users can develop and assemble brand new material while reusing existing 'skillets', rearrange existing products to fit targeted users, and add specific company information into this customized learning environment. The Companion Development Studio also promotes the development of sound learning objects around a proven and robust instructional design model that is currently used by the WLS suite of products.



*SmarTeam – User Companion Fundamentals (SUS)*



*SmarTeam – User Companion for CATIA Integration (CIS)*

# ENOVIA SmarTeam V5 Products & Configurations

ENOVIA SmarTeam Products		ENOVIA SmarTeam Configurations													
		SmarTeam—Editor	SmarTeam—Navigator	SmarTeam—Community Workspace	SmarTeam—Engineering	SmarTeam—CATIA Team PDM	SmarTeam—CATIA Web Team PDM	SmarTeam—CATIA Team PDM Engineering	SmarTeam—Multi CAD	SmarTeam—Multi CAD Engineering	SmarTeam—Development Suite	SmarTeam—Multi-site Administration	SmarTeam—Multi-site Vault Administration	SmarTeam—Gateway Administration	SmarTeam—Job Server
		SED	SNV	SCT	SEG	TDM	TDW	TDE	SMC	SME	SDV	SMA	SMV	SGA	SJB
<b>Editor</b>															
EDR	SmarTeam—Editor	•			•	•	•	•	•	•	•	•	•	•	•
<b>Designer</b>															
CAI	SmarTeam—CATIA Integration	A/S			A/S	•	A/S	•	A/S	A/S	A/S				A/S
CWI	SmarTeam—CATIA Web Integration	A/S			A/S	A/S	•	A/S	A/S	A/S	A/S				A/S
SEE	SmarTeam—CATIA Supply Chain Engineering Exchange	S			S	S	S	S	S	S	S				S
ACI	SmarTeam—AC Integration	A/S			A/S	A/S	A/S	A/S	A/S	A/S	A/S				A/S
INI	SmarTeam—IN Integration	A/S			A/S	A/S	A/S	A/S	A/S	A/S	A/S				A/S
SEI	SmarTeam—SE Integration	A/S			A/S	A/S	A/S	A/S	A/S	A/S	A/S				A/S
SWI	SmarTeam—SW Integration	A/S			A/S	A/S	A/S	A/S	A/S	A/S	A/S				A/S
MCI	SmarTeam—Multi CAD Integration	A/S			A/S	A/S	A/S	A/S	•	•	A/S				A/S
<b>Engineer</b>															
BOM	SmarTeam—BOM	S			•	S	S	•	S	•	S				S
<b>Community</b>															
CMT	SmarTeam—Community Workspace			•											
<b>Navigator</b>															
NVR	SmarTeam—Navigator		•												
<b>Cross-User Options</b>															
WFL	SmarTeam—Workflow	S	S	S	•	S	S	•	S	•	S				S
PGM	SmarTeam—Program Management	A			A	A	A	A	A	A	A				A
RCF	SmarTeam—Regulatory Compliance Framework	A*			A*	A*	A*	A*	A*	A*	A*				A*
<b>Site Services</b>															
FDN	SmarTeam—Foundation	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DVS	SmarTeam—Development Suite										•				
MUS	SmarTeam—Multi-site											•			
MUV	SmarTeam—Multi-site Vault												•		
GWY	SmarTeam—Gateway													•	
JBS	SmarTeam—Job Server														•

• = Included in configuration      S = Available as a sharable product      A = Available as an add-on product  
 \* WFL is required as prerequisite to support the electronic signature functionality. \* One license of JBS is a prerequisite for each database site.

- ACI, CAI, CWI, INI, SEI and SWI require one of the configurations containing EDR.
  - SEE requires the CAI product.
  - MUS and MUV are server license and require one license per site.
  - GWY and JBS are server license and require one license for each server.
  - Add-ons for SJB are required for custom or built-in jobs that involve these products.
- ENOVIA SmarTeam solutions run on IBM DB2, Oracle and Microsoft SQL Server (and ship with the IBM DB2 or Oracle database as part of the product package).



For more information contact your IBM Representative,  
IBM Business Partner, or visit the IBM PLM Web site at:

**ibm.com/software/plm**

### Choose IBM – the PLM leader

The IBM PLM value proposition is built on a foundation of decades of world-class IBM technology expertise, supported by thousands of IBM engineers and developers in 40 different countries, and eight US national medals of technology. This expertise is valued across the globe, and has enabled us to develop links with business partners that continue to evolve and improve the value we can add for our clients.

### IBM and Dassault Systèmes

Through a strategic relationship spanning more than 25 years, IBM has implemented and supports Dassault Systèmes software applications such as CATIA, DELMIA, ENOVIA (including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam) and 3DLive within more than 20,000 clients worldwide.

### An unrivalled commitment

Our unmatched annual investment in Research & Development – the key to innovation – stands at approximately \$5.5 billion. This is testament to our commitment to helping your organization succeed in a world of change. In 2007, IBM innovators contributed to 3,125 patents awarded to IBM – an average of 10 patents a day. United States Patent and Trademark Office statistics show that IBM has generated more patents than any other company for 15 consecutive years.

### A world-class manufacturer

IBM possesses deep industry experience and knowledge of the challenges you face. As a primary user of PLM, we understand your business processes and have the support of a global team of engineers to help tackle your real world issues – and keep you ahead of your competition.

### Breadth of offerings

We can impartially recommend PLM offerings to suit your organization, and employ and integrate the solution within your extended enterprise. Our global presence allows us to help you become a globally integrated enterprise no matter where your plants, suppliers or customers may exist.

For more information contact your IBM Representative, IBM Business Partner, or visit the IBM PLM Web site at: **ibm.com/software/plm**

### IBM Corporation

Software Group  
Route 100  
Somers  
NY 10589  
USA

The IBM home page can be found at **ibm.com**

IBM, the IBM logo and **ibm.com** are registered trademarks of International Business Machines Corporation registered in many jurisdictions worldwide. A current list of IBM trademarks is available on the Web at:

**ibm.com/legal/copytrade.shtml**

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

CATIA®, DELMIA® and ENOVIA® are registered trademarks of Dassault Systèmes.

Other company, product and service names may be trademarks, or service marks of others.

Any reference to an IBM product, program or service is not intended to imply that only IBM products, programs or services may be used. Any functionally equivalent product, program or service may be used instead.

This publication is for general guidance only. Information is subject to change without notice. Please contact your local IBM sales office or reseller for latest information on IBM products and services.

IBM does not represent or warrant that its products or services ensure compliance with laws. Clients are responsible for compliance with applicable securities laws and regulations, including national laws and regulations.

Photographs may show design models.

© Copyright IBM Corporation 2008.  
All Rights Reserved.