



ENOVIA SmarTeam V5R18 – FACT SHEET

Simplifying and Extending PLM Adoption

- **Introduction**
- **What's New at a Glance**
- **Overview**
- **Detailed Description**

INTRODUCTION

V5R18 marks a new milestone in ENOVIA SmarTeam's evolution as the industry standard for rapid-value, out-of-the-box, integrated, customer-centric solutions. Packaging and licensing have been simplified for intuitive solution building. Usability has been enhanced and unified across Windows and Web environments. Robust business modules cost-effectively boost project management, compliance, process automation, and collaboration across sites. Options-based configuration management and robust visualization enrich product understanding. Overall, ENOVIA SmarTeam R18 packs in powerful enhancements for delivering rapid, affordable, flexible collaborative power to your doorstep.

ENOVIA SmarTeam V5R18 is the leading solution for rapid-value PLM, enabling mid-market businesses and engineering departments of larger organizations to optimally integrate, manage and reuse their product knowledge and processes. ENOVIA SmarTeam addresses global challenges through collaborative solutions that accelerate time to market, reduce costs, promote quality, and streamline responsiveness to customers, the market, and diverse regulatory demands. ENOVIA SmarTeam customers enjoy a rapid return on investment (ROI) through flexible, low total cost of ownership solutions that control all product information and drive product-centric collaborative processes across an organization's design, engineering and enterprise domains, and with value-chain partners.

WHAT'S NEW AT A GLANCE

ENOVIA SmarTeam V5R18 allows you to:

- Simplified deployment, packaging and usability promote **easy PLM adoption**.
- Fortified business solutions **cost-effectively extend the “collaboration net”**.
- Enhanced configuration management empowers **engineering collaboration**.
- Integration robustness enhances **design collaboration processes**.
- Infrastructure enhancements **protect customer investments**.

OVERVIEW:

The V5R18 capabilities below are grouped by Dassault Systèmes' and IBM's ENOVIA SmarTeam fundamentals, bringing value to the customer:

Simplified deployment, packaging and usability promote easy PLM adoption.

ENOVIA SmarTeam V5R18 makes PLM easier than ever to launch, use and administrate with an expanded out-of-the-box offering, new role-based packing and state-of-the-art usability. ENOVIA SmarTeam's “start small, grow as you go” **expanded Express packages** deliver quick-start, scalable core design and engineering collaboration, driving best-practice deployment. New **role-based packaging** streamlines implementation and enhances customer value, such as with end-to-end design scenarios and user-driven choice of Windows or Web. **State-of-the-art usability** enhancements make the user experience pleasant and productive, deliver desktop-caliber capabilities over the Web and put administrators in the driver's seat with a one-stop console for accessing tools.

Fortified business solutions cost-effectively extend the “collaboration net”.

- V5R18 delivers **affordable powerful program management** in a Windows-based, Web-supported environment, interlocking robust PLM capabilities with Microsoft® Project. The synergy optimizes project understanding and reuse, reducing time and costs, and increasing project success rates.
- V5R18 empowers organizations with a rapidly installed and adaptable **regulatory compliance framework** to help address compliance throughout the product lifecycle, such as required by FDA and other industry and regulatory standards. The best-practice capability creates new business opportunities in new markets.
- V5R18 **adds simple vault replication** to ENOVIA SmarTeam's multi-site portfolio, flexibly and affordably meeting any distributed need, even for smaller organizations.
- V5R18 delivers the **first level of 3D Live support** through core capabilities for highly visual searching, navigating and collaborating around CATIA-based product information

Enhanced configuration management empowers engineering collaboration.

- **New, option-based configurations** enable users to flexibly and powerfully manage a single product structure across all product variations, leading to enhanced decision-making, data consistency and impact analysis, and other business benefits.
- **Seamless DELMIA integration capabilities** within the CATIA integration module support all CATProcess/ CATResource documents, enabling users to manage manufacturing processes and shop floor planning to streamline production engineering.
- **V5 DMU support optimizes design validation processes** across engineering, including across multi-CAD and for non-CAD users.

Integration robustness enhances design collaboration processes.

- ENOVIA SmarTeam V5R18 brings **rich design data management benefits to CATIA users** through enhanced visualization, including multiple views and redlining, and an enhanced Web platform for collaboratively managing CATIA design information “anytime, anywhere”.
- **In V5R18, ENOVIA SmarTeam** delivers 3D XML support to SolidWorks users, allowing product structure viewing across all SolidWorks assemblies. The SolidWorks integration is now available through the IBM sales channel.

Infrastructure enhancements protect customer investments.

In V5R18, ENOVIA SmarTeam has re-packaged its offering to address mid-market needs and facilitate modular solution expansion. Simplified installation across all client products, business solutions and viewers streamlines deployment. New job server capabilities promote greater process automation to organizations of any kind. ENOVIA SmarTeam V5R18 extends solution value with support for visual components and latest CAD application and infrastructure certifications.

DETAILED DESCRIPTION

Simplified deployment, packaging and usability promote easy PLM adoption.

V5R18 delivers an expanded out-of-the-box offering, role-based packaging and state-of-the-art usability, making PLM easier than ever to launch, use and administrate.

- **Expanded Express packages drive “start small, grow as you go” approach.** ENOVIA SmarTeam V5R18 provides scalable, out-of-the-box core scenarios for quick-start design and engineering collaboration that deploy in just days – part of a growing quick-start offering. Bundling software, a pre-configured database, best-practices documentation and core processes, the Express packages drive rapid ROI, user acceptance and PLM program success. They provide a powerful response to the market call for rapid, resource-light, flexible deployments:
 - V5R18 SmarTeam Design Express, provided for CATIA and multi-CAD (SolidWorks®, Autodesk® Inventor™, Solid Edge™ and

- Pro/ENGINEER®) empowers design departments with a robust scenario for collaborative 3D CAD and product data management that drives quick and easy ramp-up while delivering full PLM functionality for later expansion.
- V5R18 SmarTeam Engineering Express delivers a robust, quick-start scenario for item-centric PLM, including workflow processes, quickly extending collaborative benefits across engineering disciplines. It can be used to scale up from SmarTeam Design Express or to rapidly launch a basic, engineering-focused PLM implementation.
 - **New packaging and licensing simplify deployment with maximized value.** ENOVIA SmarTeam V5R18 delivers a role-based, customer-centric portfolio for easy understanding and simple deployment. Highlights include:
 - Packaging by user role and scope of use, across the organizational spectrum. Roles cover: Editor, Designer, Engineer, Navigator, Community
 - **Editor**: Manage, link, and release technical documents in the context of the product structure
 - **Designer**: Manage designs in a multi-CAD, multi-data environment
 - **Engineer**: Manage E-BOM, M-BOM, item lifecycle, engineering release and change processes
 - **Navigator**: Browse, view, print and participate in processes
 - **Community**: Access certain data only -- for external partners
 - A combined all-in-one license for mid-range CAD applications, with seamless design-to-configure, maximizing value for design-centric entities
 - Single license supports alternative use with SolidWorks, Solid Edge, Inventor and AutoCAD
 - Enables end-to-end design scenarios through Bill of Materials generation directly from the CAD environment
 - A single Windows/Web license for seamlessly integrated use of ENOVIA SmarTeam with the platform of choice
 - **State-of-the-art usability eases collaboration for all user types.** ENOVIA SmarTeam V5R18 takes usability to the next level across environments, with a pleasant Microsoft® XP/Vista look-and-feel for Windows users, more desktop-caliber capabilities for Web users and a new single console for administrators.
 - **New Windows-based enhancements**, including latest XP/Vista style desktop colors, toolbars and query groupings, promotes ease of use in a familiar, functionality-rich environment for users from design to enterprise.
 - **Enriched Web-based environment**, boosted by advanced (Ajax) technology, continues evolving for usability with powerful ENOVIA SmarTeam desktop-like editing in an ergonomically styled setting. V5R18 delivers easier handling of visual components, drop-down menus, easy-to-use links, workflow/process initiation and saved queries grouping.
 - **New one-stop Administrator Console**, featuring a productivity-enhancing cockpit and single log-on, streamlines work for administrators and implementers. All key tools open from a single console for efficient

navigation among tools. The tool set has been enhanced for usability, with improved sequencing and scripts.

Fortified business solutions cost-effectively extend the “collaboration net”.

- **“Best of both worlds” Program Management**, robustly delivered to desktop users, with Web support, interlocks engineering and project management within the product lifecycle, making powerful program management an affordable reality for the mid-market – including across distributed organizations. ENOVIA SmarTeam tightly integrates PLM capabilities with Microsoft® Project, combining product and process knowledge with projects, tasks, and resource planning. It optimizes Program Managers’ efforts with full access to deliverables, insight into project dependencies and easy reuse of data from previous projects.

V5R18 highlights include: high-level overviews of projects and their dependencies, intuitive management of resources across projects and automated task distribution among assigned users, with visibility into task progress.

ENOVIA SmarTeam’s V5R18 Program Management capability advances engineering and customer delivery program objectives, such as for New Product Introduction (NPI), and in the aerospace and automotive industries, driving benefits such as:

- Reduced project duration and cost
 - Increased product development efficiency and project success
 - Managing of multiple projects and tasks within their deliverables
 - Single-point for all product knowledge, including project-related
- **ENOVIA SmarTeam’s new Regulatory Compliance Framework** delivers a rapidly installed, easily adapted best-practices infrastructure for tracking, auditing and managing an organization’s efforts to achieve product standard compliance, such as related to FDA and other industry and regulatory standards. Based on cumulative and proven experience, the Regulatory Compliance Framework module provides:
 - Traceability and archiving of electronic records
 - Standardized handling of electronic signatures (sign-offs)
 - Enterprise-level authentication security and data protection

The solution combines with core PLM capabilities, including job server-based “silent release” of documents, to meet demands for standardized process automation and querying, and offers exceptional user and administrator control. The Regulatory Compliance Framework drives compliance throughout the product development lifecycle.

Expanded Multi-site offering addresses any distributed need, from simple vault replication to end-to-end scenarios involving different levels of distributed coverage. In V5R18, ENOVIA SmarTeam’s Multi-site platform offers a new, simple Vault replication option, flexibly and affordably extending PLM reach. Multi-site Vault replicates the vault only, relying on a wide-area-network (WAN) for access to a central database. The option allows the typically heavier CAD and other document data to reside in proximity to the end-user, with the lighter metadata transferred over the WAN.

Supporting Oracle, DB2 and MS SQL Server, available standalone or as part of a full replication scenario, the Vault option enables distributed deployment tailored to strategic and IT needs:

- **Multi-site Vault** replication option -> Vault replication only
 - **Standard Multi-site** option -> Vault and database replication
 - **Advanced Multi-site** option -> Combined solution replicating vault and database for more active sites, and vault only for less active sites
- **Web services for 3DLive applications** - ENOVIA SmarTeam V5R18 delivers the first level of support for Dassault Systèmes' new collaboration paradigm with a powerful visual environment for searching, navigating and collaborating on product information. In V5R18, ENOVIA SmarTeam's integration of 3DLive includes:
 - Searches on all CATIA product data
 - Select, Open, Zoom, Rotate and other user functions
 - Locate capabilities within ENOVIA SmarTeam
 - User chats and co-manipulation of objects in real-time

3DLive maximizes interaction, improves decision making and accelerates innovation for organizations by making product IP easily available to all involved in PLM activities, wherever they are.

Enhanced configuration management empowers engineering collaboration.

- **New, option-based configurations** enable users to flexibly and powerfully manage a single product structure across all product variations, leading to enhanced decision-making, data consistency and impact analysis, and other business benefits. The options dramatically extend the criteria for resolving the product structure, while using ENOVIA SmarTeam's familiar "Saved" search as the filtering mechanism. The filtering criteria can be based on options, business rules, revision rules, and effectivities in any combination.
 - Users can now filter the product structure according to any parameter, such as turn a set of queries into a filter; include a search based on any criteria, such as "by country" or "by color."
- **V5 DMU support optimizes design validation processes** across engineering. ENOVIA SmarTeam V5R18 supports seamless DMU processes, including across multi-CAD designs, enabling design review within engineering processes. Organizations benefit from faster digital mock-up validation and simulation, and collaborative processes in which non-CAD engineering users can view 3D mock-ups and rapidly assess design alternatives.

Integration robustness enhances design collaboration processes.

- **CATIA integration enhanced for visualization and Web accessibility.** In V5R18, ENOVIA SmarTeam brings users multiple views, clashes, cross-sectioning, measurements and redlining, streamlining CATIA V5 design processes by exposing product design in diverse ways and promoting team

collaboration. It further empowers “anytime, anywhere” design collaboration with extended Web accessibility and single user sign on. ENOVIA SmarTeam’s Web-based CATIA V5 platform (CWI) supports relational design processes and lifecycle management in the familiar CATIA V5 environment, via Internet browsers. The platform ensures link integrity and secure bi-directional attribute mapping.

- **3D XML extended to SolidWorks.** In V5R18, ENOVIA SmarTeam’s SolidWorks integration delivers 3D XML support, allowing users to view the product structure across all SolidWorks assemblies. The integration is now available through all ENOVIA SmarTeam sales channels.
- **A powerful new DS partner integration to Pro/ENGINEER** features outstanding functionality and performance, completing design and design-to-configure scenarios.

Infrastructure enhancements ensure solution value.

In V5R18, ENOVIA SmarTeam has repackaged its offering for mid-market needs and easy modular solution expansion, ensuring optimal investment value.

- **Simplified installation across the offering** – ENOVIA SmarTeam V5R18 offers new one-stop install of all clients across the product offering, accelerating the deployment process. The viewer install program has also been streamlined, letting customers choose which viewer(s) to install, ensuring best-in-class visualization while saving time and reducing disk load.
- **New enterprise job server increases process automation** – V5R18 makes its robust centralized job server – previously only available to certain industries – available to all ENOVIA SmarTeam customers, promoting automation while optimizing organizational efficiency, reliability and accuracy. Executing tasks in the background via a central server while freeing up the initiating user for other activities, the new V5R18 capability:
 - Automatically updates users/administrators by e-mail, improving transparency and security
 - Supports powerful, server-based activities, including printing
 - Allows seamless release of documents via automatic attribute mapping
 - Supports generic jobs that can be customized to address various needs, such as PDF conversion
- **Leveraging emerging technologies for customer benefit**
 - **Published advanced technology (Ajax) visual components** propagate PLM benefits across the organization.
 - Facilitate customization of Web solutions
 - Easily expose ENOVIA SmarTeam components in external assets, such as enterprise portals
 - **Latest certifications** across supported multi-CAD and infrastructure applications, databases and tools maximize ENOVIA SmarTeam’s customer value.