ENOVIA SmarTeam

SmarTeam V5R18
Product Enhancement Overview

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Table of Contents

WHAT'S NEW

V5R18 marks new milestones 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 V5R18 packs in powerful enhancements for delivering rapid, affordable, flexible collaborative power to your doorstep.

New Products

The following new products were introduced in V5R18:

SmarTeam – Regulatory Compliance Framework

SmarTeam – Regulatory Compliance Framework provides companies with tools to ensure and facilitate management of access authorization within the working environment, database traceability and electronic signatures within approval processes. It provides a working environment that accelerates the process by which organizations verify their compliance to industrial regulations. The product offers:

❑ Support for Web and Windows environment

❑ Enhanced user security mechanism, for authenticating product records

❑ Audit trail of changes generated electronically and accessible instantly for review

❑ Comprehensive and flexible handling of electronic signatures for authorized users

❑ Batch printing with embedded electronic signature information

❑ Streamlines the regulatory compliance approval process

Note: SmarTeam – Job Server is a pre-requisite for SmarTeam – Regulatory Compliance Framework.

SmarTeam – Job Server

Job Server software is a server-side application that handles central SmarTeam activities. The server configuration frees SmarTeam – Editor clients from running these activities and eliminates the need to have an application installed on each client in order to process each activity. The Job Server remotely automates tasks, optimizing approval processes in the enterprise's organizational environment.

❑ Automatic mail notifications to administrators in certain system scenarios, providing transparency and enhanced security: Every failed login of an unauthorized user or users who have forgotten their passwords generates an automatic mail notification to the administrator. The mail contains user-related information, such as user name, operating user's log-in name, and machine name

❑ Supports powerful, server-based activities, including printing: The job server performs all activities on a separate server: mail server, print server

❑ Allows silent release of documents via automatic attribute mapping:

- ◦ Maps all signatures into an approved document

- ◦ Fully supports MS Word, Excel and SolidWorks documents

❑ Supports creation of custom jobs (e.g. pdf conversion), allowing the job server to execute them

❑ Batch printing with embedded electronic signature information: Files can be printed via a batch server printing mechanism. Based on predefined mappings, prior to the printing by the server of the file, required information from the metadata record is embedded into the footer, header, and/or watermark of the printout. Users cannot change these settings or the information being printed out; this mechanism provides additional control over the print process.

❑ Enables administrators to write their own jobs that will be performed on the job server:

- ◦ Comprehensive and flexible handling of electronic signatures for authorized users

- ◦ Automated and standardized workflow processes provide required sequence of operations

SmarTeam – Multi-site Vault

Until SmarTeam V5R17, one SmarTeam – Multi-site license covered both Database replication and Vault replication. As many Multi-Site implementations are comprised of central sites (which include both database replication and vault replication) and satellite sites (which are connected to a remote database and use only Vault replication), V5R18 provides two separate types of licenses: the SmarTeam – Multi-site license for both Database replication and Vault replication (see SmarTeam – Multi-site), and the Multi-site Vault license for Vault replication only.

As there is a demand for a multi-site database replication solution based on databases other than Oracle, and for a solution suitable for organizations with only a few sites that are not widely dispersed geographically, SmarTeam – Multi-site Vault provides a solution based on Vault Replication only (i.e., using a central database installed in a central location) and will be able to work with other databases (MS SQL Server and DB2).

SmarTeam – Multi-Site Vault (for Vault Replication only) is designed for the following scenario:

❑ A number of satellite sites e.g. 2, 3

❑ Central Database in one site

❑ Based on all supported databases (including SQL server 2005)

SmarTeam Multi-Site Vault Replication capability is certified with the RepliWeb tool for file replication, and this tool can be purchased as part of both the SmarTeam – Multi-Site and the SmarTeam – Multi-site Vault packaging. To provide additional options for organizations with a limited number of sites (and which are primarily Microsoft-based), SmarTeam certifies the Multi-Site Vault replication capability with the Microsoft DFS (Microsoft file replication capability), which is a part of Microsoft® Windows 2003 R2 server capabilities.

Deployment, Packaging and Usability

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 grow" expanded Express packages deliver quick-start, scalable core design and engineering collaboration, driving best-practice deployment. New role-based packaging streamline solution-building and enhance 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.

The 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

Packaging is by user role and scope of use, across the organizational spectrum. Roles cover:

- ❑ **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

SmarTeam – Multi-CAD Integration

SmarTeam – Multi-CAD Integration is a new package that enables users to purchase one license for working with SmarTeam – AC Integration, SmarTeam – IN Integration, SmarTeam – SE Integration and SmarTeam – SolidWorks Integration. SmarTeam – Multi-CAD Integration creates the conditions necessary for collaboration among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment   .

Note: The license is concurrent and is only occupied when in use; each work session requires a separate license**.**

Web functionality added to SmarTeam – Editor

A single Windows/Web license for seamlessly integrated use of ENOVIA SmarTeam with the platform of choice.

The SmarTeam – Web Editor product is withdrawn in V5R18, and all SmarTeam – Web Editor functionalities are incorporated within the SmarTeam – Editor product, retaining the name SmarTeam – Web Editor. The EDR offering now provides the user with ENOVIA SmarTeam's familiar Windows®-based product lifecycle collaboration application, while at the same time taking advantage of standard web technologies to provide remote individuals and teams working on multi-platforms (Windows and Unix), with comprehensive access to the central SmarTeam database and managed files. The versatile SmarTeam – Editor product enables users to manipulate product data easily in a dynamic and secure environment, whether within the enterprise inside the corporate LAN, or dispersed in remote locations.

Business Solutions

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 full-featured, rapidly installed and adaptable regulatory compliance framework for addressing compliance throughout the product lifecycle, such as required by FDA, WEEE and RoHS. The best-practice capability creates new business opportunities in new markets.

New job server capabilities promote greater process automation to organizations of any kind.

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 3DLive support through core capabilities for highly visual searching, navigating and collaborating around CATIA-based product information

Enhanced Configuration Management

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 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's 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.

ENHANCEMENTS

SmarTeam – Program Management

SmarTeam – Program Management V5R18 integration with MS Project operates in the SmarTeam – Editor windows environment. After synchronization of information into SmarTeam, the data (such as tasks, assigned resources, timetables) is accessible in both the SmarTeam – Editor windows and SmarTeam – Editor web-based environments.

❑ **Direct access to ST information from within MS Project:** While working inside MS Project, using SmarTeam – Program Management, the user can access all task information directly from SmarTeam.

❑ **Manage MS Project files:** The MS Project files are stored and managed as regular SmarTeam documents, enabling the user to save all MS Project information, manage file revisions (baselines), and collaborate on the MS Project with external users.

❑ **Enhance synchronization capabilities:** Enhanced synchronization capabilities to and from SmarTeam with a report on changes.

❑ **All task information visible in all applications:** Tasks are visible in all SmarTeam applications.

SmarTeam – Editor

Windows

1. ENOVIA SmarTeam user interface for Windows users

    o In V5R18, ENOVIA SmarTeam presents its user interface, with a new look-and-feel across color scheme, buttons, toolbars and more. Most SmarTeam – Editor screens reflect the new visual environment. In addition, users can apply one of the supplied predesigned skins to change the default appearance to a different color scheme, such as olive green, silver, etc.

    o New setup, installation and application splash screens provide an attractive, user-friendly interface when launching SmarTeam – Editor.

    o The redesigned login window enables database selection upon connection to SmarTeam.

    o The appearance of dropdown menus has been enhanced, providing attractive access to SmarTeam menu options.

    o The new paged toolbar concentrates the existing SmarTeam toolbars within four new tabs: "Main", "PLM" and an "Add-Ins" tab that contains the user's customized toolbars.

    o The new appearance of the toolbar includes larger icons, as well as a "hot" icon functionality which enlarges the icon as the mouse cursor is placed over the icon.

    o All system icons have been replaced and enlarged, providing easier and more attractive access to familiar SmarTeam functionalities.

2. Grouping saved queries

    o The new Group Editor dialog allows you to arrange and combine searches into public or private groups for easy and quick access. In this way, it is possible to prepare a specific set of queries per site or per user. This enhancement reduces

the number of searches shown in the Search Editor, and enables the user to arrange the searches as needed.

3. Profile card actions and tabs

   o The appearance of the profile card has been changed, providing an eye-catching and user-friendly interface.

   o The sub-tabs, which had previously been located at the bottom of the window, can now be moved to the right, left or bottom of the window as tabs.

   o The new Actions toolbar includes "Add", "Update", "Delete", "Delete Link" and "Add as Copy" options.

4. Item lifecycle enhancements (Go to state)

   o (For more information on Item lifecycle enhancements, refer to SmarTeam – BOM.)

5. Item lifecycle - "Master View" for Lifecycle and "Generic View" for Workflow

   o (For more information on Item lifecycle enhancements, refer to SmarTeam – BOM.)

6. Separate Viewers installations

   o In the current SmarTeam implementation, 3 viewers are automatically installed together with SmarTeam – Editor: Cimmetry AutoVue, DS Viewer and eDrawing (SW viewer). In addition, the viewers are updated automatically to the newest viewer release as part of SmarTeam service packs.

   o This enables users to better control the installed viewers as part of the SmarTeam installation. Users may choose to install any or all of the viewers (according to their needs) and to control the upgrade policy of the viewers, i.e., choose to retain an older viewer release.

Web Client

The SmarTeam – Web Editor product is withdrawn in V5R18, and all SmarTeam – Web Editor functionalities are incorporated within the SmarTeam - Editor product, retaining the name SmarTeam – Web Editor.

The SmarTeam – Editor offering now provides the user with ENOVIA SmarTeam's familiar Windows®-based product lifecycle collaboration application, while at the same time taking advantage of standard web technologies to provide remote individuals and teams working on multi-platforms (Windows and Unix), with comprehensive access to the central SmarTeam database and managed files. The versatile EDR product enables users to manipulate product data easily in a dynamic and secure environment, whether within the enterprise inside the corporate LAN, or dispersed in remote locations.

The following enhancements have been made to SmarTeam – Editor web client functionality in V5R18:

7. Introduction of web-based Visual Components:

   o Visual Components provide an enriched web-based environment for SmarTeam – Web Editor. Boosted by advanced (Ajax) technology, SmarTeam – Web Editor continues evolving for usability with powerful ENOVIA SmarTeam desktop-like editing in an ergonomically styled setting. V5R18 delivers easier handling of visual components for the entire organizational range, such as profile card, grid, tree, SmartBox, menus and toolbars.

      ▪ Profile card: Define the structure of a specific profile card for a certain class; build any card, based on the needs of each super-class. When

accessed, the Profile Card reads the data and displays the data according to the elements included in the Profile Card's visual and functional design.

- Grid: Design grid views; determine a grid view's size, number of columns/rows, sorting conventions, paging, etc.; include single or multiple checkbox selection, type of information to appear, click-events, etc.

- Tree: Display SmarTeam objects in a hierarchical view; define a certain view built from the tree's root objects and include the links that will be displayed for each super-class.

- SmartBox: Define the way SmartBox folder objects (e.g., Inbox, Sent, Completed) are displayed; add paging, sorting, click-Events, etc.

8. Action menus and toolbars: Changed look and feel for the SmarTeam – Web Editor interface, simplified functionality, improved usability of a web client user interface, introduction of unified menus; new toolbars and icons; replacement of previous components with Visual Components.

9. Simplify Links creation: Reduction of a number of actions (clicks) for links creation

10. Simplify Lifecycle operations: Interface rearrangement for Lifecycle operation

11. Simplify Initiate process: Simplified workflow initiation process, requiring fewer steps

12. Integration of the DS Viewer Server: Ability to create and save annotations for CATIA files and share them between users.

13. Setting a view as Public/Private will be done using a checkbox: Usability enhancement.

14. Copy view: Using an existing view as a basis for creation of a new view.

15. Color setting: An ability to define different color per Link Type

16. Preferences to configure the Related Objects pane: An ability to define links that will be shown in the Related Object pane

17. Item Lifecycle operations (Item LC\configuration views)*: Enabling lifecycle operation on items (Promote, demote, Inactivate, new revision, go-to-state))

18. Structure handling within Multiple Views (Item LC\configuration views)*: Working with configuration views over web (enabling browsing, creating, updating configuration views)

19. Filter screen in the Preferences (Item LC\configuration views)*: Enabling filter screen preferences for documents and items (including revision rules filtering) in web editor

   *Require a SmarTeam – BOM license.

SmarTeam – Navigator

❑ Initiate Workflow process: SmarTeam – Navigator, used in the enterprise environment, provides read-only access to enable viewing of objects and all object-related data and tasks. From V5R18, it is also possible to initiate workflow processes while working in SmarTeam – Navigator

❑ Viewing of CATIA V5R18 documents by integrating with the V5R18 Dassault Systemes 3D PLM viewer enhancements:

- 3D XML file support

- CATIA file annotation

- Views (Isometric; Top; Bottom; Left; Right; Back; Front)
- Redlining
- Measurements
- Cross Sectioning

SmarTeam – BOM

SmarTeam V5R18 enhances the filtering functionality by enabling the user to execute SmarTeam saved queries as part of the tree filter criteria available in the Tree filter screen, as defined below:

❑ **Revision Filter:** Options for filtering by revision change dynamically according to the lifecycle behavior of the selected object's class. Revision filters can be applied to:

- o All Revisions
- o Latest Revision: Refers to the creation date of an object in the SmarTeam database. This is a chronological issue and is not related to the object's state.
- o Last Public Revision: A set in the database that refers only to a Checked In or Released state for objects. Depending on the Last Public Revision mode policy set by the Administrator, only one of the checked in or released.

❑ **Date Effectivity Filter:** Date effectivity, used for filtering a product structure, provides applicability and validity of objects and relations between objects specified by time. It is based on date effectivity attributes, which must be valid values of date and time. Filtering the tree by date gives an indication of how the product was assembled on a specific date.

❑ **Unit Effectivity Filter:** Unit effectivity provides applicability and validity of objects and relations between objects specified by certain units (any numeric or alphanumeric criteria). To see how the product is assembled for a specific unit (configuration), filter the tree by unit effectivity. Unit effectivity uses predefined patterns which are defined in the System Configuration Editor.

❑ **Saved Query Filter:** The Saved Query may include any predefined Search which exists in the system The Searches may include three kind of SmarTeam data model Classes: The first Class, The Link and the Second Class; in accordance with the standard SmarTeam Queries functionality.

SmarTeam – Workflow

Item lifecycle - "Master Configuration View" for Lifecycle and "Generic Configuration View" for Workflow:

❑ Master Configuration View is a combined view of all the existing configurations of a specific item. SmarTeam - Editor calculates the number of children for each configuration view, and displays them as a common structure merged under the root item.

❑ Generic Configuration View is a common view of all the existing configurations of a specific item. SmarTeam - Editor displays the children for each Configuration View one under the other as a multi-root structure.

SmarTeam – CATIA Integration

❑ **Global Refresh – User Interface enhancements:**

- Refresh Info and Incident Report sections unified for simpler and clearer view. All relevant information is presented in the main panel next to the relevant action.

○ New icons indicate the exceptions, and the Remarks column provides information about the exceptions.

❑ **Enrich the contextual menu:** The Replace Component command is now available through the contextual menu as well as within the Assembly Management submenu. This addition helps to provide a consistent user interface and increases ease of use.

❑ **Option to decide whether to load contextual assembly or not while updating design links through SmarTeam Save.** A contextual part has two links; a "contextual" link to the contextual product and a "design" link to the base part. When analyzing the links of contextual parts, the "design" link can be seen only if the contextual product is loaded. Therefore, saving contextual parts may require loading the contextual product; in case it is not loaded (this occurs usually when loading the contextual part independently, without its context).

SmarTeam – CATIA Web Integration

A single Sign-on (Log-In) is valid now both for SmarTeam – CATIA Web Integration and SmarTeam – Web Editor.

SmarTeam – CATIA Supply Chain Engineering Exchange

1. Tracking Documents With New Identifiers: From V5R18, the SmarTeam – CATIA Supply Chain Engineering Exchange user can keep track of documents with different CATIA internal identifiers (UUID) using a new rule (NewFrom) that has been added to the SmarTeam Reconciliator panel. In this way, OEM and Suppliers who exchange data through a neutral file format (such as STEP, for example) or exchange data that was saved in Expose mode in ENOVIA can still keep track of documents even if the CATIA internal identifier (UUID) was changed.

2. Query Customization: From V5R18 it is possible to customize the system queries, and to add user-defined criteria to queries without the need for programming tools. This customization allows the user's query to be more selective, making mapping easier and shortening work processes.

SmarTeam – SolidWorks Integration

❑ **ENOVIA SmarTeam user interface for Windows users:** In V5R18, ENOVIA SmarTeam presents its user interface, with a new look-and-feel across color scheme, buttons, toolbars and more. Most SmarTeam – Editor screens reflect the new visual environment and are available to SmarTeam CAD integration users when working with some SmarTeam features, such as Profile Card and searches.

❑ **New licensing package:** From V5R18, SmarTeam – SolidWorks Integration, available within the new SmarTeam – Multi-CAD Integration product, enables users to work with two or more different SmarTeam CAD integrations. SmarTeam – Multi-CAD Integration creates the conditions necessary for collaboration among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment.
Note: When opening more than one work session simultaneously on the same workstation, each work session requires a separate license.

❑ **Enhancement of SmarTeam – SolidWorks Integration license:** From V5R18, the SmarTeam – SolidWorks Integration license enables a user to activate the SmarTeam – AC Integration as well. When opening an ACI session simultaneously on the same workstation with SmarTeam – SolidWorks Integration, only one SmarTeam – SolidWorks Integration license is taken.

SmarTeam – AC Integration

❑ **ENOVIA SmarTeam user interface for Windows users:** In V5R18, ENOVIA SmarTeam presents its user interface, with a new look-and-feel across color scheme, buttons, toolbars and more. Most SmarTeam – Editor screens reflect the new visual environment and are available to SmarTeam CAD integration users when working with some SmarTeam features, such as Profile Card and searches.

❑ **New licensing package:** From V5R18, SmarTeam – AC Integration, available within the new SmarTeam – Multi-CAD Integration product, enables users to work with two or more different SmarTeam CAD integrations. SmarTeam – Multi-CAD Integration creates the conditions necessary for collaboration among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment. Note: When opening more than one work session simultaneously on the same workstation, each work session requires a separate license.

❑ **Enhancement of licenses for SmarTeam CAD integrations:** From V5R18, the SWI, SEI and INI licenses enable a user to activate the SmarTeam – AC Integration as well. When opening an ACI session simultaneously on the same workstation with any of the above integrations, only one license is taken.

SmarTeam – IN Integration

❑ **ENOVIA SmarTeam user interface for Windows users:** In V5R18, ENOVIA SmarTeam presents its user interface, with a new look-and-feel across color scheme, buttons, toolbars and more. Most SmarTeam – Editor screens reflect the new visual environment and are available to SmarTeam CAD integration users when working with some SmarTeam features, such as Profile Card and searches.

❑ **New licensing package:** From V5R18, SmarTeam – IN Integration, available within the new SmarTeam – Multi-CAD Integration product, enables users to work with two or more different SmarTeam CAD integrations. SmarTeam – Multi-CAD Integration creates the conditions necessary for collaboration among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment. Note: When opening more than one work session simultaneously on the same workstation, each work session requires a separate license.

❑ **Enhancement of INI license:** From V5R18, the SmarTeam – IN Integration license enables a user to activate the SmarTeam – AC Integration as well. When opening an SmarTeam – AC Integration session simultaneously on the same workstation with SmarTeam – IN Integration, only one SmarTeam – IN Integration license is taken.

SmarTeam – SE Integration

❑ **ENOVIA SmarTeam user interface for Windows users:** In V5R18, ENOVIA SmarTeam presents its user interface, with a new look-and-feel across color scheme, buttons, toolbars and more. Most SmarTeam – Editor screens reflect the new visual environment and are available to SmarTeam CAD integration users when working with some SmarTeam features, such as Profile Card and searches.

❑ **New licensing package:** From V5R18, SmarTeam – SE Integration, available within the new SmarTeam – Multi-CAD Integration product enables users to work with two or more different SmarTeam CAD integrations. SmarTeam – Multi-CAD Integration creates the conditions necessary for collaboration among mixed-CAD engineering teams, while seamlessly integrating PDM functionality directly within the native CAD environment. Note: When opening more than one work session simultaneously on the same workstation, each work session requires a separate license.

❑ **Enhancement of SmarTeam – SE Integration license:** From V5R18, the SmarTeam – SE Integration license enables a user to activate the SmarTeam – AC Integration as well. When opening a SmarTeam – AC Integration session simultaneously on the same workstation with SmarTeam – SE Integration, only one SmarTeam – SE Integration license is taken.

SmarTeam – Foundation

❑ **Administrative tools usability - Admin Console:** Rather than each administrative tool opening from the Windows Program menu and requiring its own login process, administrative tools will be opened from the SmarTeam Admin Console. The new Admin Console enables administrators and implementers to login once and receive a cockpit that provides easy and effective navigation to the various administrative tools used with SmarTeam products, including Form Designer, User Maintenance, Flow Chart Designer, Vault Monitor, Sequence Designer, and others.

❑ **Administrative tools usability enhancemen**t: Improved usability of the administrative tools, including better indications of sequences in the Sequence Designer and the scripts in the Scripts Maintenance**.**

SmarTeam – Multi-site

Enhanced Vault Replication provides three different solutions:

1. **SmarTeam - Multi-Site Vault –** a subset of the full Multi-site solution that enables vault replication only

   ◦ A number of satellite sites e.g., 2,3

   ◦ Central Database in one site

   ◦ Based on all supported DB's (including SQL server 2005)

2. **Standard SmarTeam - Multi-Site – for Vault and DB**

   ◦ Up to 16 sites, each of them holding an Oracle DB and replicated vaults

3. **Advanced Multi-Site environment – Vault and DB**

   ◦ Up to 16 central sites with Oracle DB

   ◦ A number of satellite sites e.g., 2, 3, deployed on each of the central sites

   ◦ In the "satellite" sites – only vaults are replicated

SmarTeam – Development Suite

SmarTeam introduces robust **Client Component**s to include the SmarTeam PLM business logic, assisting developers in coding integrations easier and faster. The V5R18 Client Libraries replace the embedded scripts and Record list libraries. Client libraries move the integration liability for the SmarTeam operations from the integration level (developers' responsibility) to ENOVIA SmarTeam.

SmarTeam Visual Components provide an enriched web-based environment for SmarTeam – Web Editor. Boosted by advanced (Ajax) technology, SmarTeam – Web Editor continues evolving for usability with powerful ENOVIA SmarTeam desktop-like editing in an ergonomically styled setting. V5R18 delivers easier handling of visual components for the entire organizational range, such as profile card, grid, tree, SmartBox, menus and toolbars**.**

SmarTeam – Gateway

This product includes no new functionality in this release.

SmarTeam – Community Workspace

This product includes no new functionality in this release.