**ENOVIA VPM Configured Structure Definition**

**Product Objective**
ENOVIA® VPM™ Configured Structure Definition allows users to manipulate and review product data in the engineering work-in-progress (WIP) environment.

**Product Overview**
Global organizations, more complex products, information silos—all these challenges interfere with effective collaboration among engineers. Without sufficient tools, it is difficult to communicate and share in the development of complex designs. Further difficulties are added when companies strive for market diversification with multiple product variants, making it even more complicated to collaborate and share in the design process.

ENOVIA VPM Configured Structure Definition delivers a common environment to collaborate on product structure data when using the V6 authoring products (CATIA, DELMIA, and SIMULIA). The product enables users to convey complex design ideas readily by building and manipulating product structures quickly and easily. To address complex product engineering, ENOVIA VPM Configured Structure Definition enables engineers to filter and navigate on product configurations, design in a configured context, and define specific effectivity ranges for added and modified product components.

**Product Highlights**

**Build, Manipulate and Collaborate on Product Structures**
ENOVIA VPM Configured Structure Definition enables users to convey complex design ideas readily by building and manipulating product structures quickly and easily, using, among others, the following methods:

- Associate and position 3D representations into product assemblies and manage the publication of 3D component and assembly features to support relational design and associated PLM operations
- Effectively manage links while performing replace, cut and delete to ensure product integrity
- View and save multiple or overloaded positions of moveable parts within an assembly depicted as a single product to evaluate early alternatives quickly
- Optimize loading of the right 3D representation speeds data open performance

**Deliver On Time and Accurate Product Variants by Enabling Design in Configured Context**
ENOVIA VPM Configured Structure Definition enables engineers to select and filter a configured context based on criteria specified in ENOVIA® Configuration Variant Central™. In the same environment, engineers can define the valid condition of configured objects (variability, evolution, and applied changes) by applying specific effectivity.

**Key Customer Benefits**
- Create, modify, manipulate and review product data created with DS authoring products.
- Associate and position 3D representations into product assemblies to support relational design and associated PLM operations.
- Effectively manage links while performing replace, cut and delete to ensure product integrity.
- Open the right 3D representation with optimized loading for fast performance.
- Directly integrate web-based configuration definition into CATIA® navigation and authoring.
- Navigate and filter on any configuration to establish an accurate 3D representation and identify commonality among different variants and evolution states.
- Align the business strategy with the correct product configurations by defining the appropriate variants on the product structure components.
- Study alternatives using a powerful configuration environment for flexibility in variant edition, evolution states definition, variability space claim, and product duplication.
- View and edit large assembly structure within the context of configuration and relational design.
- Use the PLM Compass to analyze and collaborate on the product structure and components’ characteristics in 3D.
**Product Highlights (continued)**

ENOVIA VPM Configured Structure Definition selects an authoring mode to work with or without configuration management. When working with configuration management, the user has two options:

- Select a specific configuration for each modification performed on the product
- Define one configuration for all the incoming changes to be performed in the session

The effectivity definition on a product's components can be either manual or automatic with a full integration of commands such as cut, paste, replace, etc.

Users can define, edit, and expose the different configurations of a given product. The configurations can be either actual products for manufacture or a partial or a mix of multi-configurations for design or analysis purpose (example: a car with all possible engine configurations).

**Evaluate Product Configuration Alternatives**

ENOVIA VPM Configured Structure Definition evaluates product configuration alternatives and enables design change traceability. For any configured product, a finalized configuration view can be computed dynamically for browsing by a product manager, engineer, or approver/reviewer. The configuration capability is defined and stored in the ENOVIA® V6 database and is available through searches or by directly selecting configuration criteria (variants and evolution).

By associating ENOVIA VPM Configured Structure Definition with ENOVIA® VPM™ Change Tracking, a product manager can create different actions to modify the design and specify which configurations are impacted. By defining planned effectivity, product engineers can see the product components before changes are validated, and browse a product as if all the current changes were validated. ENOVIA VPM Configured Structure Definition saves time and money by letting users analyze and anticipate the impact of modifications of global product development (design, manufacturing, etc).

**Product Configuration Analysis**

ENOVIA VPM Configured Structure Definition provides quick product configuration analysis for project tracking and decision making. The PLM compass and the property panel enable users to visualize quickly the effectivity of each product component and available pre-defined configurations. Additional advanced analysis tools are available for highlighting components with the same effectivity or a compatible effectivity. All these tools are available when authoring or navigating configurations.

**The role of ENOVIA V6 and PLM 2.0**

ENOVIA VPM Configured Structure Definition supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaboration innovation, single PLM platform for intellectual property (IP) management, online creation and collaboration, ready to use PLM business processes, and lower cost of ownership.

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**About Dassault Systèmes**

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product — SolidWorks for 3D mechanical design — DELMIA for virtual production — SIMULIA for virtual testing — ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes' shares are listed on Euronext Paris (F13065, ESY2) and Dassault Systèmes' ADRs may be traded on the US Over-The-Counter (OTC) market (DASTY).

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**About ENOVIA**

ENOVIA is the recognized leader in delivering collaborative PLM solutions. We enable companies from a broad range of industries to dramatically accelerate innovation, time-to-market and revenue generation by collaboratively developing, building and managing products. Our solutions facilitate the sharing of concepts, content and context across product lifecycles and throughout value chains of employees, customers, suppliers and partners.

ENOVIA collaborative PLM solutions help global enterprises bring together people, processes, content and systems to achieve a compelling competitive advantage. Our interoperable solutions unify and streamline processes across the product lifecycle, enabling companies to easily and cost-effectively work on projects within and outside of their enterprises. Our adaptable, scalable technology is built to accommodate the ever-changing marketplace.

For more information, visit enovia.com.