



ENOVIA System Functional Logical Definition

Product Objective

With ENOVIA® System Functional Logical Definition, designers can define the functional and logical aspects of a product and link them to the physical definition of a product, ensuring a full traceability from product specifications to the actual 3D design.

Product Overview

ENOVIA System Functional Logical Definition helps designers deal with the complexities involved in large systems design. The software creates the functional and logical definition of a product through a 2D diagram based editor. ENOVIA System Functional Logical Definition creates relationships between the product requirements (R), the product functions (F), logical (L) components, and detailed physical (P) components. The tool includes RFLP navigation, folder and catalog integration, function, logical and physical edition for use throughout all phases of product development.

Product design today involves an increasingly large number of systems, components, and people that must work together effectively. Advancing technologies make it impossible for system architects alone to choreograph and validate an entire system design. For example, the close physical proximity of sub-systems requires more fail-safe and redundancy planning involving more experts. In addition, new integrations of multi-disciplinary systems means systems must be decomposed into smaller and smaller components to properly function together.

In all, technology and competitive pressures to minimize weight and maximize performance continue to drive more accurate systems optimizations in wider categories. Designers need a tool that clearly defines and navigates the functional and logical elements for precise modeling and complex systems simulation

Better Meet Market Demand through Accurate Traceability from Requirements to Design

ENOVIA System Functional Logical Definition manages the system intellectual property (IP) within the entire development lifecycle from Requirements, Functional, Logical, Physical, to Simulation. In one window the user can access the requirements of the product, its functional decomposition, its logical architecture and its physical definition.

ENOVIA System Functional Logical Definition enables users to create, modify and delete Functional and Logical data and structures and eventually link those elements with Implement relations. Using these relations, users will be able to verify later on that the functional, logical and physical requirements have been well taken into account in the definition of the product through traceability matrix available in ENOVIA® Requirement Central™ or by simply using the Product Lifecycle Management (PLM) Compass and getting a complete view in 2D or 3D.

Key Customer Benefits

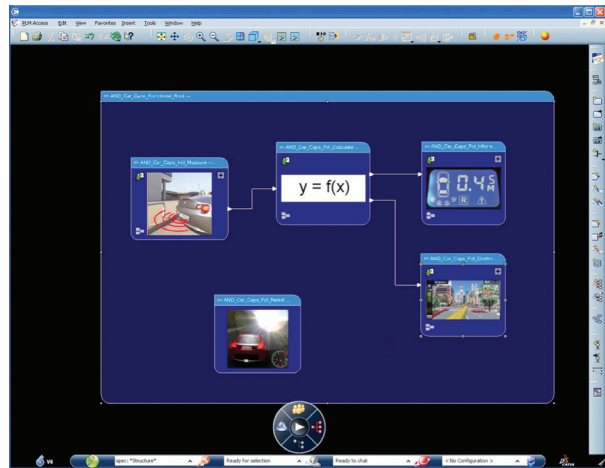
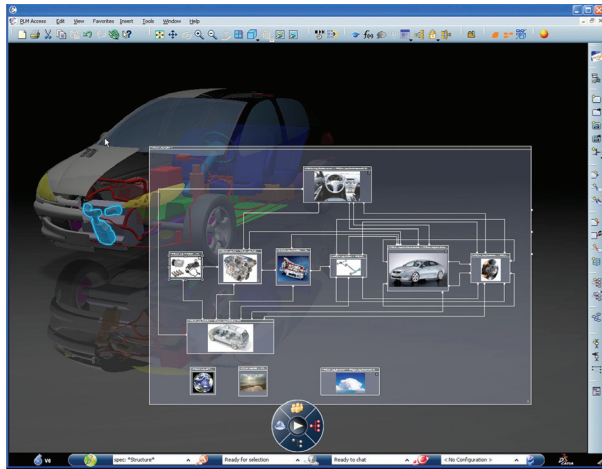
- Create product designs that meet market demands by enabling traceability from product validation to customer expectations
- Better agility for investigating more design alternatives in a given period of time
- Reduce integration problems in physical design with earlier validation of 3D architecture
- Enable faster and more intelligent enterprise collaboration by sharing data using the universal language of 3D



Improve Collaboration through Search and Navigation on Product Requirement, Functional, Logical, and Physical Definitions

ENOVIA System Functional Logical Definition enables users to easily find and reuse RFLP components in new product definition. It also provides, with the RFLP Navigator - extension of ENOVIA 3D Live for RFLP data, an environment to navigate on the RFLP definition of the product. This navigation allows the users to:

- Review the state of the definition leveraging the V6 collaboration capabilities (chat, picture sharing & co-review)
- Manage the lifecycle of the different entities (change maturity, versioning...)
- Attach external documents to Functional and Logical entities to further precise or justify their definition
- Retrieve in few clicks critical RFLP the data to continue his/her definition work



Ensure Reuse with Folder & Catalog Integration

Users can organize the RFLP entities in folders. This organization makes it easier to retrieve and reuse data (a simple drag & drop from the folder window to the editor window allows the user to insert a function or a logical component). Function, flow, logical component and system types can also be cataloged. Thanks to the catalog browser and keywords, the user can find quickly standard function and logical component and reuse them in a new RFLP definition.

The role of ENOVIA V6 and PLM 2.0

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

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.

About Dassault Systèmes

As world leader in 3D and Product Lifecycle Management (PLM) solutions, the Dassault Systèmes group brings value to more than 90,000 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 life cycle of products from conception to maintenance. Our offering includes integrated PLM solutions for product development (CATIA®, DELMIA®, ENOVIA®, SMARTEAM®), mainstream product 3D design tools (SolidWorks®), 3D components (Spatial/ACIS®) and SIMULIA®, DS' open scientific platform for realistic simulation. Dassault Systèmes is listed on the Euronext Paris (#13065, DSY.PA) stock exchange. For more information, visit 3ds.com.



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