ENOVIA 3DLive
Revolutionizing PLM
Global teams that can share accurate, secure, and real-time information online are best equipped to innovate and deliver winning products. Inaccurate information, incompatible software tools, and language barriers block global collaboration, putting innovation at risk.

ENOVIA® 3DLive™ software provides global teams with a 3D immersive environment that serves as a shared workspace for all product-related data, regardless of where the data resides. With 3D, users can easily share and understand product details. This common understanding of issues allows users to find and solve problems early in the lifecycle, reducing costs and improving time to market.

Enovia 3DLive Brings Your IP to Life
Within a single environment, ENOVIA 3DLive revolutionizes Product Lifecycle Management (PLM) by putting knowledge at your fingertips and contextually connecting you to the product ecosystem. The software leverages PLM data into useful business intelligence for better, faster decision-making.

By leveraging intellectual property (IP) from all contributors earlier in the process, companies gain faster innovation, higher quality, regulatory compliance, and lower costs. Productivity soars because language differences as well as geographic and organizational boundaries disappear as stakeholders share data via a single, secure, interactive 3D environment.

CAD Systems:
SolidWorks®, Siemens NX, Siemens Solid Edge, AutoCAD, Autodesk Inventor, PTC Pro/ENGINEER, Bentley Systems

Enterprise Systems:
Enterprise Resource Management (ERP), Customer Relationship Management (CRM), and Supplier Relationship Management (SRM)
Active Participation
With ENOVIA 3DLive, all enterprise stakeholders are active participants in the product development process, employing the collective intelligence of all functional areas of a company as well as partners and suppliers. Users are immersed in a visually rich, real-time environment where online “virtual” teams and communities are brought together quickly. Stakeholders can search, navigate, chat, perform co-reviews and collaborate on any aspect of the product—and all with just an internet connection.

Users can minimize errors and enhance quality by creating virtual sessions that communicate the contextual information necessary for productivity and innovation. Customizable 3D dashboards highlighting Key Performance Indicators (KPIs) help stakeholders visualize and present information quickly in an intelligible way on specific attributes — regulatory compliance, failure rate, program risk level, Request for Quote (RFQ) status, cost, product owner, product lifecycle stage/maturity, or last modified time frame etc.

Using ENOVIA V6 federation capabilities, ENOVIA 3DLive can combine metadata from multiple enterprise data sources (such as ERP and other product data management [PDM] systems) and include this information on the 3D representation of the associated object. An assembly that has critical information needed for decision making in multiple data sources can have all the information attached to a single bill of material (BOM) in ENOVIA 3DLive, creating a federated BOM. Thus, a Purchasing Manager or Procurement Specialist can navigate the 3D model instantly and see the total cost of the assembly, exactly which parts are meeting assigned cost targets, and react immediately.
ENOVIA 3DLive also helps users:

- Address program and project execution issues instantly, collaborating with stakeholders by visualizing risks and milestones in 3D
- React quickly to compliance issues by enabling program managers to visually identify in 3D the parts and responsible owners for taking action
- Enhance revenue by responding swiftly and accurately to RFOs by sharing PLM component information (costs, delivery date, etc) with stakeholders
- Reduce costs through improved collaboration between product development, manufacturing, sourcing, marketing, and finance
- Deliver products to market quicker, regardless of manufacturing location, by updating supplier meetings with last minute shop floor decisions, engineering change orders, and new requirements

ENOVIA 3DLive enables users to work in an online environment using local data. Users can share data through 3DXML, a universal, lightweight XML-based format developed by Dassault Systemes. 3DXML is useful for sharing 3D and PLM information with stakeholders that are not connected to a PLM database.

Users can facilitate collaboration and further leverage IP by embedding 3DXML easily in 3DVIA Composer and 3DVIA Virtools as well as Microsoft Word documents, Microsoft PowerPoint, and Internet Explorer.

Collaboration within ENOVIA 3DLive is enhanced through support of Microsoft Office Communications Server 2007 and IBM’s Lotus Sametime 7.5.1. A “buddy list” provides role-based access to current information. Chat and co-reviews via an audio/video integration, persistent notes, and meeting minutes collected instantaneously are available also.
**Live Applications**
The ENOVIA 3DLive portfolio includes Live Applications for specialized PLM functions and processes. These solutions provide:

- Advanced collaboration capabilities for design reviews
- Comprehensive access to manufacturing process planning, engineering product information and related work instructions
- Functional Tolerancing and Annotation data associated with the product model

**ENOVIA® Live Collaboration Review** increases the rate of innovation because it enables real-time team collaboration among all stakeholders. Enhanced decision-making occurs rapidly because of access to the “single source of the truth.”

**ENOVIA® Live Rights Manager** is a DRM (Digital Rights Management) solution based on Microsoft RMS (Rights Management Services). It provides comprehensive control of read, write, and share permissions for 3DXML files accessed by ENOVIA 3DLive. Once installed, according to the rights granted, users can seamlessly open, review, edit, and save the files.

**ENOVIA® Live Similarity** saves users time and effort by integrating a shape-based search of CATIA V6 data through the contextual menu of the 3D navigation available in ENOVIA 3DLive. A shape-based search is an intuitive process that enables easy and quick information reuse through the product lifecycle stages such as design, planning, manufacturing, procurement, and inventory management.

**DELMIA® Live Process Review** allows engineers, planners, shop floor workers and managers to review and collaborate on manufacturing process plans. Users can visualize in 3D the step-by-step sequence of manufacturing a product along with full 3D animation for each step. Manufacturing information may also be displayed for each step and visualized in 3D. This promotes clear, easy and intuitive communication across disciplines and reduces the chances for introducing errors in the manufacturing process.

**CATIA® Live Functional Tolerancing and Annotation (FT&A)** enhances understanding and improves decision-making by providing early and direct insight into dimensioning and tolerancing annotations, geometrical elements and features, and the relationships between elements. Users can leverage 3D information directly and remove the need for 2D drawings.
**ENOVIA 3DLive Delivers the Promise of Innovation Today**

ENOVIA 3DLive brings innovation to the forefront of your business activities in a 24/7 on demand environment. Access and share all the data in the context of your business process in real time. By combining the universal language of 3D with advanced indexing and searching tools, information sharing and collaboration barriers disappear.

From design program updates to supplier meetings to last minute shop floor changes, collaboration is fast and as easy as surfing the Web. Users can problem solve on line, collaboratively, and innovate, because of efficient and intuitive search tools. Quality, compliance, risks, and customer requirements are handled early in the development process, saving time and money. Users make the right decisions, at the right time on the right data and communicate these decisions to all affected stakeholders in real time enabling a new paradigm of innovation for an enterprise.

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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 (#13065, DSY.PA) and Dassault Systèmes’ ADRs may be traded on the US Over-The-Counter (OTC) market (DASTY). For more information, visit 3ds.com.