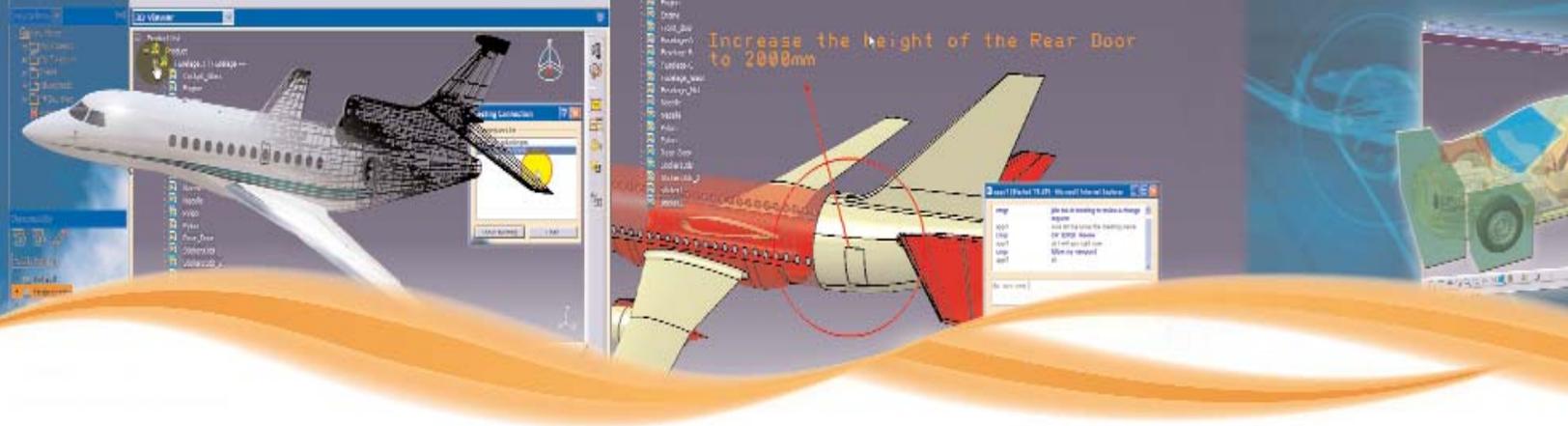


ENOVIA VPLM Solutions





Creating the Innovation Advantage

Innovation is more than a marketing buzz word today. It's a "perfect storm" of economic and logistical factors forcing manufacturers to differentiate and deliver more products faster to an increasingly competitive global marketplace. In this over-heated environment, innovation is not just about design; it's about how people think and work and collaborate to improve the product experience and the corporate bottom line.

But how do you implement improvements across hundreds of disciplines and suppliers, managing thousands of parts and functions scattered around the globe? This level of agility requires a development strategy that allows organizations to manage their own collaborative "innovation processes" and embed them with knowledge so humans and systems can work together to build better products faster. ENOVIA Virtual Product Lifecycle Management (VPLM) Solutions from Dassault Systèmes offer a flexible roadmap to help customers transform this complexity into competitive advantage so process can drive profits.

Innovation Strategies That Deliver Market Results

ENOVIA VPLM Solutions help organizations innovate every day by managing the 3D product, process and resource knowledge they need to optimize quality, manufacturability, and profitability. Built upon a common architecture and integrated with best-in-class CATIA and DELMIA solutions, ENOVIA VPLM provides the only virtual, collaborative PLM environment where stakeholders can explore, share, simulate and validate designs and processes within the context of rich product features or the entire spectrum of products and lifecycle services.

Powerful web-based navigation, product simulation, and communication tools let global teams collaborate anywhere, anytime in this Knowledgespace™ increasing the pace of innovation while reducing development time and costs. To further accelerate time to value, ENOVIA VPLM uses industry-leading standards such as XAML and Web Services to facilitate flexible, cost-effective integration of the Dassault Systèmes PLM system with other enterprise systems (such as ERP and CRM). Leveraging this process-driven ENOVIA PLM strategy, manufacturing organizations can:

- Introduce innovative new products and product variations to more markets.

- Virtually design and validate products without a single prototype.
- Front-load critical decision making to reduce downstream time and costs.
- Increase business agility and responsiveness to changing customer requirements.
- Maximize productivity of global resources (plants, parts, supply chain, etc).
- Optimize processes to streamline product development and ensure compliance.
- Provide seamless design for manufacture to accelerate production cycles.

With ENOVIA V5 PLM, customers gain 360° visibility into the product lifecycle as it evolves, linking people, product knowledge and processes together to build "right first time" products that hit their targets, on time, every time.

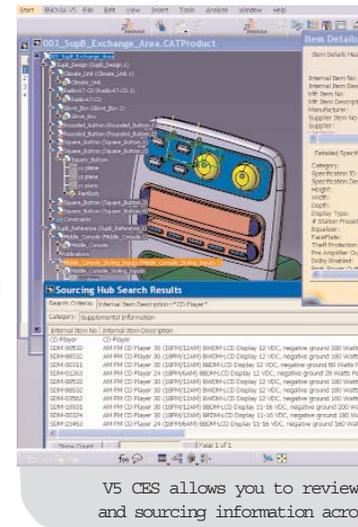
V5 DMU (Digital Mock-up)

V5 DMU enables real-time visualization and review of the 3D product as it evolves. It allows design teams to digitally build the product mock-up and analyze it to gain early insight into key factors determining design quality, product performance, and ultimate market success. Using V5 DMU testing and analysis tools, designers can reduce or eliminate the time and cost invested in "build it, break it" scenarios requiring multiple physical prototypes.

Designed for multi-CAD and PLM compatibility, V5 DMU facilitates the full integration of digital mock-up-centric processes within global engineering environments. It also provides extensive support for industry best practices such as interference detection and analysis, hybrid mock-up review, packaging and product synthesis, human ergonomics analysis, engineering data visualization and technical publication.

V5 DMU Key Business Benefits:

- Upfront validation of product fit and function.
- Reduces the needs for physical prototypes.
- Integrated design, review, and simulation environment.
- Embedded collaboration tools improves decision making.
- Multiple 2D and 3D format support.



V5 CES allows you to review and sourcing information across

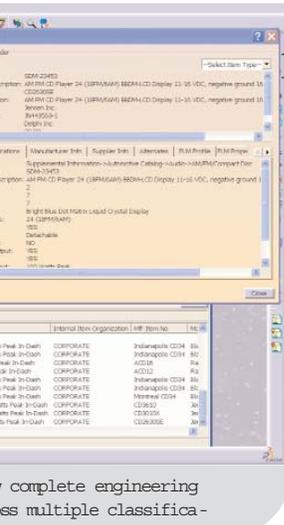


Photo courtesy of GAMMA

V5 VPM (Virtual Product Modeling)

V5 VPM offers a comprehensive approach to managing the creation and maturation of the virtual product definition from the highest level of product hierarchy to the lowest level of feature usage. With ENOVIA V5 VPM, engineers are able to extend the power of CATIA V5 knowledgware and Relational Design to optimize designs within the context of an assembly or an entire portfolio eliminating interferences, improving performance, and increasing reuse across product lines and variants.

V5 VPM captures and manages engineering design intent by exposing specifications, rules, operational parameters, simulation results, and manufacturing processes accelerating the understanding of how change affects associated product components and processes. This unique capability allows engineers to analyze and propagate change quickly, accurately, and completely until product performance and costs are optimized.



complete engineering
multiple classifica-

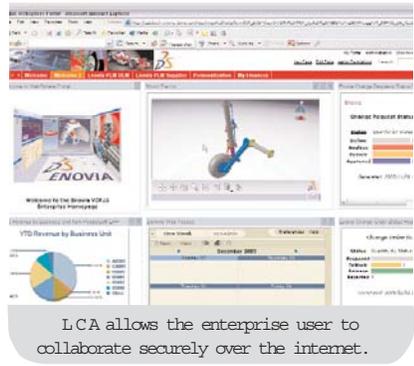
Collaborative Enterprise Sourcing (CES):

To keep pace with changing requirements and competitive threats, manufacturers today rely on global partners and suppliers to deliver value to customers and their bottom line. To help them maximize development assets, a new breed of collaborative enterprise sourcing solutions has emerged to:

- Give design and production engineers desktop access to the sourcing and policy information they need to optimize products for cost, quality, reuse and manufacturability.
- Provide a Cross-functional Enterprise Catalog of components for managing the lifespan of parts and suppliers across company programs, divisions and locations.

- Support New Part Introduction (NPI), and supplier/manufacturer policies with Comprehensive Component Management Processes, improving efficiency and quality standards while reducing risk.

When organizations introduce Collaborative Supply for Design and Design for Supply in the design phase where 80% of cost-impacting decisions occur, CES can help ensure profit margins and market success.



LCA allows the enterprise user to collaborate securely over the internet.

V5 VPM Key Business Benefits:

- Immersive Knowledgespace™ enables configured design-in-context.
- Ability to front-load evaluation of alternatives for optimized design.
- 3D collaborative environment promotes global concurrent engineering.
- Real-time change impact analysis and propagation.
- Built-in automated clash analysis validates the virtual product portfolio.

V5 LCA (Lifecycle Applications)

V5 LCA gives product development stakeholders access to 3D product lifecycle information in a collaborative, web-based environment. It places the latest product information at stakeholders' fingertips, enabling real-time decision making across globally distributed environments. Providing a unique set of configuration and change management applications that spans engineering and manufacturing, ENOVIA V5 LCA supports unified access and virtual lifecycle management of the virtual PPR (Product, Process, and Resources) definition in ENOVIA V5 VPM and DELMIA V5.

V5 LCA is built upon flexible process-modeling middleware that can seamlessly integrate data and processes across PLM, ERP, CRM, legacy, and other critical enterprise systems to support customers' changing business requirements. Having a consolidated view that includes these functional aspects is crucial to increasing business agility and optimizing development costs, resources, and schedules.

V5 LCA Key Business Benefits:

- 3D web-based environment drives "round-the-clock" productivity.
- Enterprise end-to-end process visibility and control.
- Integrates product definition with production processes for Design for Manufacturing excellence.
- Standards-based, open architecture for distributed enterprise deployment.



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About Dassault Systèmes

As a 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 lifecycle of products from conception to maintenance. 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 and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit <http://www.3ds.com>

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