Bringing PLM 2.0 to Life
ENOVIA V6
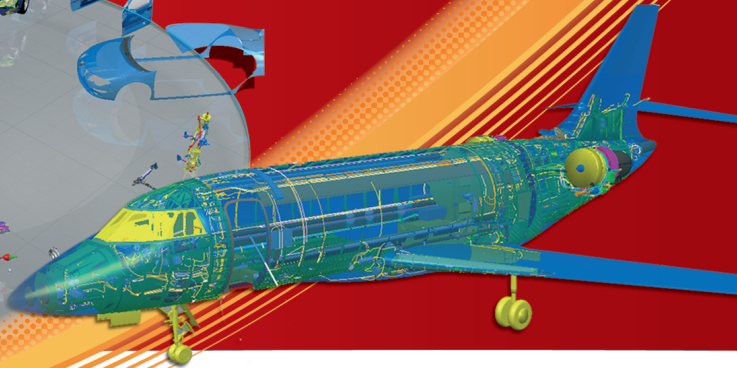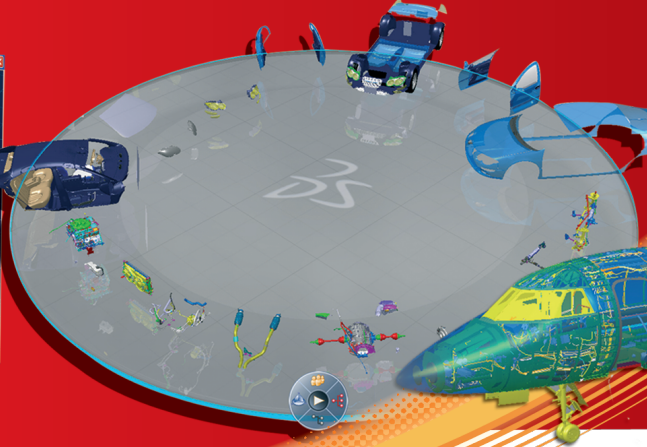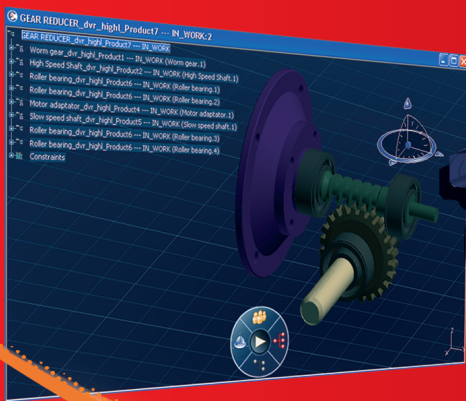
ENOVIA

PLM 2.0:
From Idea to Experience to Life

As the pace of change increases, companies are depending more on their intellectual capital to keep ahead of the competition. From product creators to the entire enterprise ecosystem to consumers, everyone can play a critical role in bringing the right products to market at the right time.

PLM 2.0, product lifecycle management (PLM) online for everyone, is a 3D environment for experiencing a product virtually and harnessing all user interactions to generate and enrich Intellectual Property (IP). PLM 2.0 allows the product innovation process to start with online communities for consumer preferences and end with a virtual lifelike "test drive" of the product. PLM 2.0 is to PLM what Web 2.0 is to the Web.

Enabling PLM 2.0 collaboration requires a platform capable of managing all product-related knowledge, and allowing easy, secure access to it from anywhere. ENOVIA V6 is Dassault Systemes (DS) next generation platform for enabling PLM 2.0 and harnessing the collective intelligence among online communities. PLM 2.0 brings life to knowledge — from idea to product experience —merging the real and virtual in an immersive lifelike experience.

DS is a world leader in 3D and PLM solutions. One of six DS brands, ENOVIA is a recognized leader in delivering collaborative PLM solutions. In this latest version of ENOVIA software, DS integrated three products lines (ENOVIA MatrixOne, VPLM, and ENOVIA SmarTeam) and introduced V6, a proven Service-Oriented-Architecture (SOA). ENOVIA V6 has "MatrixOne at its core," enhanced with technology from VPM and SmarTeam.

The ENOVIA collaborative platform delivers the flexibility, open standards, scalability and industry-specific functionality today's global companies need to tie together multi-discipline engineering groups and other key contributors successfully. Future enhancements to V6 include a solution for the mid-market.
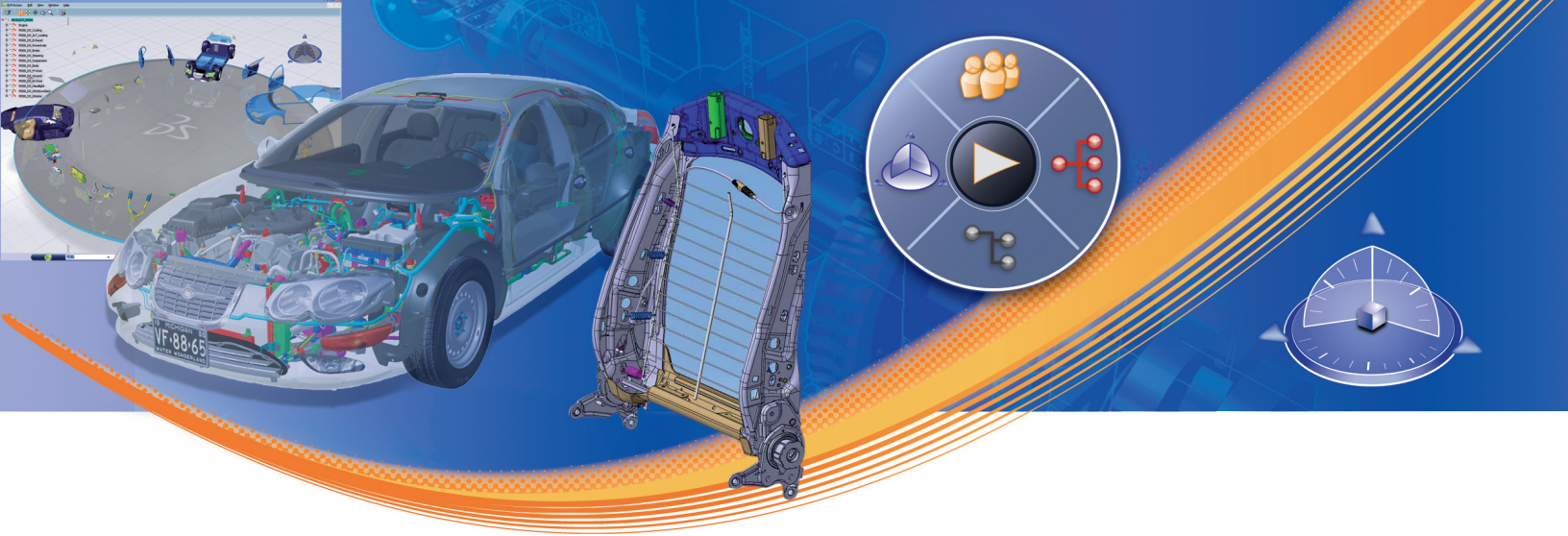
ENOVIA V6: The Path to PLM 2.0

ENOVIA V6 opens up the possibility of PLM 2.0 by offering:

Global collaborative innovation

The future of PLM is about allowing the breadth and depth of collaboration. Everyone, regardless of location or status, can collaborate across business processes. 3D becomes an active media for innovation. Enterprises can tie together multi-discipline design and engineering applications including, Mechanical Computer Aided Design (MCAD), Electronic Computer Aided Design (ECAD), Electronic Design Automation (EDA), and other appropriate software applications.

Lifelike experience

V6 provides all of the above with an intuitive 3D user interface for a fully immersive product experience. This common interface, across all applications brings IP to life in 3D. Any user can find PLM information, understand others using the universal language of 3D, experience the product, and collaborate in an immersive online 3D environment.

Single platform for Intellectual Property (IP) management

On a single platform, V6 supports IP modeling applications spanning all engineering disciplines covering the entire product lifecycle:

- CATIA / DELMIA / ENOVIA / SIMULIA applications are built natively on this single, open SOA platform.
- Data management is supported for most mechanical, electrical, and artwork CAD tools.
- V6 gives a unified, federated view and access to Intellectual Property, whether the information is in the PLM system, another enterprise system or from an unstructured data source.

Online creation and collaboration

Product creation and collaboration allows for real time, concurrent work, across multiple remote locations with only a Web connection. This major breakthrough enables companies implementing a global engineering and manufacturing strategy to collaborate online from the lowest level of details across all engineering disciplines to the full product definition [Requirements, Functional, Logical and Physical (RFLP)].

Ready to use PLM business processes

V6 covers PLM processes across 11 industries, and unifies engineering processes and all enterprise business processes including program management, compliance management, and sourcing, as examples. The ENOVIA solution "speaks the customer's language," by providing ready to use, out of the box capabilities and best practices specific to these industries: Aerospace and Defense, Consumer Packaged Goods, Automotive, Footwear and Apparel, Industrial Equipment, Life Sciences, High Technology and Semiconductor. ENOVIA V6 Industry Accelerators speed deployment and cut time to Return on Investment (ROI).

Lower cost of ownership

The flexible SOA architecture supports an adaptable business model by allowing easy integration with existing systems, and business process modeling with no programming skills. Industry specific solutions capture the value within each industry and provide the best and most tailored path to PLM. This will spur the adoption and evolution towards complete PLM strategies.

"With the [ENOVIA PLM] change, R&D organizations across the world can follow a globally standardized best process and share information on any change in the product development process real-time. We expect significant improvement in time-to-market of new products and great reduction in product development cost."

Tae Keuk Kim, Chief Information Officer, LG Electronics

ENOVIA V6 Domains

The ENOVIA portfolio is organized by domains, logical product groupings based on relevant applications. All products across these domains are built with the same technology and can be deployed together as part of a single ENOVIA system or separately. The ENOVIA domains include Governance, Global Sourcing, IP Lifecycle Management, and Unified Live Collaboration..

Governance

Governance enables customers to launch new products on time and on budget by:
- Scheduling and tracking all aspects of the product development process in real time as the work is completed
- Capturing the voice of your customers to plan new products with the greatest market impact
- Determining the optimal mix of product capabilities to meet market demands and minimize engineering costs
- Ensuring that product development complies with government regulations
- Leveraging the cross-functional extended enterprise throughout your product development process
- Providing global visibility through 3D collaborative intelligence/ decision support

Global Sourcing

Global sourcing leverages supply chain capabilities throughout the product lifecycle by:
- Securely involving the supply chain in the entire product lifecycle to enable efficient collaboration
- Implementing a "design for supply" strategy with repeatable and standardized direct material sourcing processes that provide the latest design information to the supply chain and valuable supplier quotation input to engineering
- Actively engaging in supplier development by designing, implementing and tracking supplier performance plans and scorecards

IP Lifecycle Management

IP lifecycle management prepares IP for cross-functional collaboration and product launch by:
- Identifying and resolving issues early in the development process
- Collaboratively managing cross-discipline design work-in-process in a single system spanning multiple teams and CAD tools
- Managing a cross-discipline collaborative environment that integrates with most MCAD/ECAD/EDA existing applications
- Aggregating design work-in-process into bill-of-material baselines satisfying the needs of product and manufacturing engineering
- Decreasing costs and promoting knowledge transfer by classifying IP for reuse
- Leveraging product information from other enterprise systems by federating their IP into a master bill-of-material
- Allowing users to easily and quickly search all product IP based on key words and file content breakthrough ROI

Unified Live Collaboration

Unified Live Collaboration deploys product development processes across the extended enterprise by:
- Providing business process collaboration to ensure all stakeholders are involved in product approvals and reviews
- Eliminating delays by monitoring business processes for bottlenecks
- Allowing users to easily and quickly search all product IP based on key words and file content
- Reaching the entire extended enterprise with a single system to ensure data and process consistency
- Leveraging product information from other enterprise systems by federating their IP into a master bill of material
- Avoiding customization and lowering TCO with simple graphical models

"The new V6 release provides a single platform for all stakeholders across the product lifecycle where they can imagine, share, and totally experience a collaborative product development process. Moreover, the robust 3D application and tool set that comprises the V6 environment will merge virtual and real world experience for users across all domains of the product lifecycle."

Dick Slansky, Senior Analyst, PLM Research Director, ARC Advisory Group
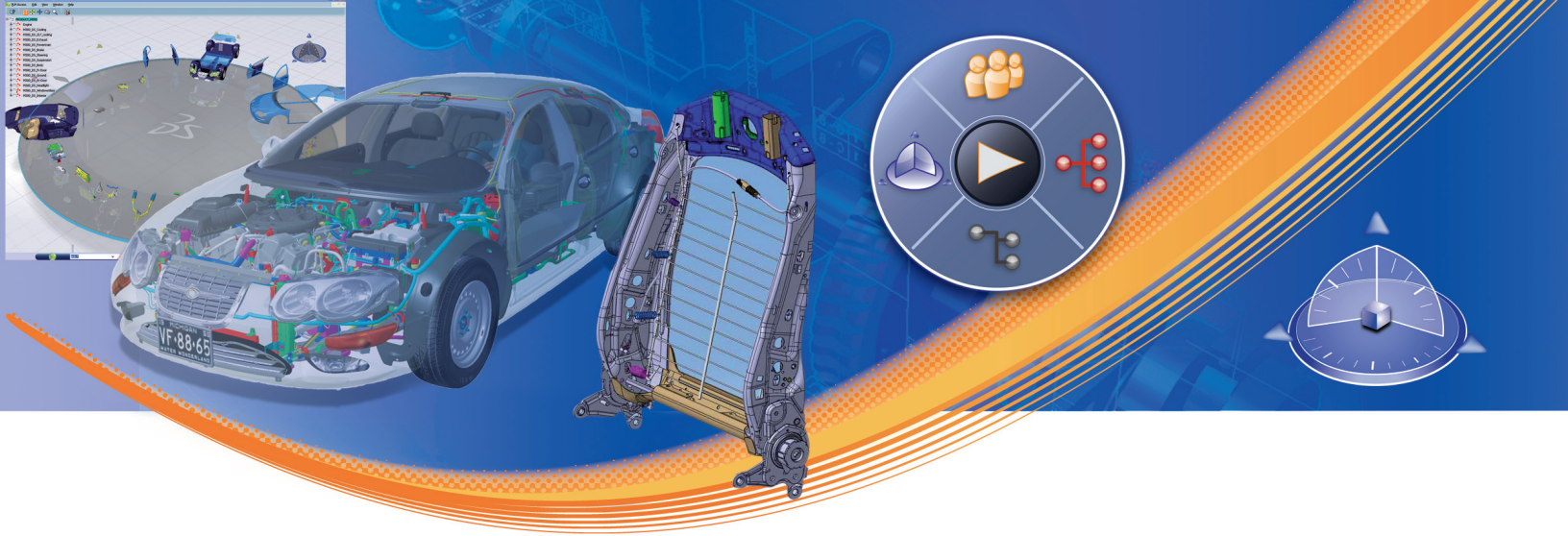
Industry Approach

ENOVIA does business in all of the 11 industries serviced by DS, with an expertise in Automotive, Aerospace & Defense, Industrial Equipment, High Tech and Semiconductor, Consumer Packaged Goods, Life Sciences and Consumer Goods (Fashion & Apparel). V6 Industry Accelerators provide industry-specific PLM best practices and capabilities, to speed deployment and reduce time to ROI.

V6 Customer Benefits

ENOVIA V6 represents the next step in the evolution of product life cycle management, extending the breadth, depth and reach of enterprise-wide collaboration in the new product development process. Combined with the reduced TCO and improved ROI, ENOVIA V6 offers global enterprises and supply chain participants alike a smart, cost-effective solution for new product lifecycle management.

Benefit Highlights

- Investment protection when upgrading (V6 co-exists with other versions, enabling customer upgrades when business conditions warrant)
- Lowest TCO achieved by adapting and scaling to meet the customer's business needs
- Enhanced profitability by streamlining IT and business processes while efficiently allocating resources
- Support for DS and non-DS applications
- Cost-effective support for global, enterprise wide deployments
- Optimized industry best practices and process excellence procedures and standards
- Leveraged standards-based solutions from a variety of leading vendors
- Ability to design, revise and collaborate in a common 3D environment

ENOVIA V6

PLM 2.0 or "PLM Online for All" enables all users to imagine, develop, share and experience the products in the universal language of 3D while harnessing the collective intelligence of online communities.

Experience PLM 2.0 with V6! Define products, process and resources within an online virtual world that behave exactly as they would in real life. V6 truly brings to life the entire product lifecycle knowledge, from ideation to engineering, production, consumer usage, maintenance and disposal.

Take advantage of V6's single, open and web-based scalable platform and fully engage in global collaborative innovation practices! Discover how easy it is to simulate how your products will perform, be built and experienced by the customers before you make any capital investment so you can hit the right market with the right product faster, and with lowest costs.

About ENOVIA

ENOVIA is a 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 Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit 3ds.com.

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