

Auto PLM Practices

Body-in-White Relational Design

- » Create parts that optimize form and function to withstand the rigors of automotive structural applications.

Generative Engine Engineering

- » Intelligent part relationships enable rapid iteration and design optimization to produce a finely tuned powertrain.

Dassault Systèmes' PLM Engineering Desktop is a robust set of templates that include "engineering cockpits" for aerospace and automotive industry design engineers. Built on ENOVIA VPLM, they incorporate industry best practices and competencies that can be quickly and easily tailored to implement company-specific solutions."

*Kenn Amann,
CIMdata Director of Research*

ENOVIA VPLM

PLM Engineering Desktop for Automotive

To succeed in today's hyper-competitive automotive marketplace, every available resource is needed to focus on the core business – building and delivering the right vehicle to the right market at the right time.

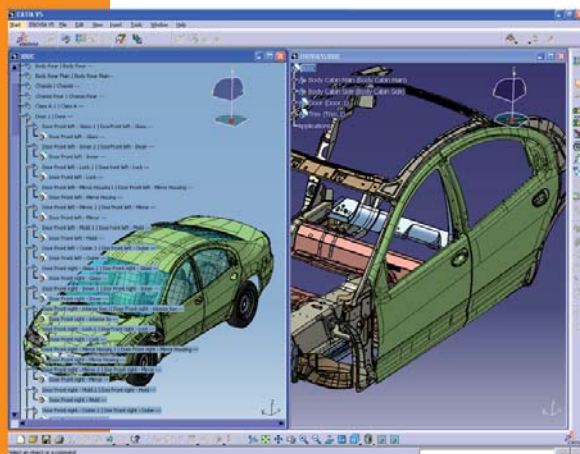
That means tailoring more automobiles to more global consumer segments, while standardizing components to improve margins, then piling on innovations that excite the buyer and differentiate your brand.

While this method drives vehicles sales, it causes significant problems when applied to the product lifecycle management (PLM) strategies required to produce automobiles. Too often,

automotive companies waste valuable time and expertise trying to keep pace with rapidly advancing technologies, while simultaneously striving to standardize key engineering processes across distributed value chains.

As a solutions partner to the automotive industry for over 25 years, Dassault Systèmes provides PLM solutions that outpace rivals in delivering value across all areas of automotive product development. The PLM Engineering Desktop for Automotive is the newest offering from Dassault Systèmes, providing a proven implementation strategy, tools and templates, and best-in-class automotive practices to accelerate and optimize your PLM deployment.

Leveraging knowledge and insight gleaned from working with many of today's market-leading automotive manufacturers, Dassault Systèmes developed the PLM Engineering Desktop to enable industry best practices, yet be quickly implemented and easily tailored to effectively meet each customer's technology goals and business requirements.



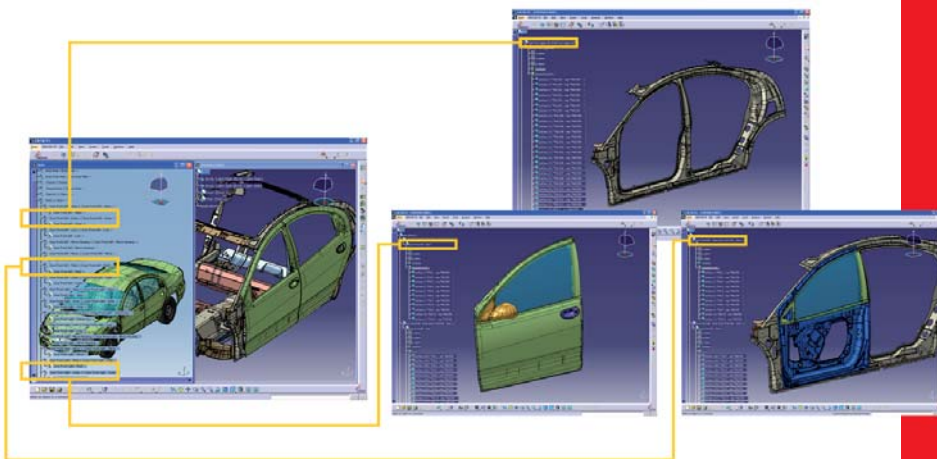
The PLM Engineering Desktop delivers a predefined and customizable V5 PLM environment.

Comprised of a predefined and customizable V5 PLM environment, which includes data and security specifications, core process methodologies called Building Blocks, and industry-specific PLM Practices, the PLM Engineering Desktop is a comprehensive solution that covers the infrastructure, methodologies, and organizational requirements to successfully launch and deploy an optimal V5 PLM environment. Each PLM Practice makes use of the latest engineering methods such as concurrent engineering and relational design to speed product development and guarantee quality.

Specific to automotive needs, Body-In-White Relational Design outlines the methodology to construct, design, and update the virtual representation of an automobile's sheet metal structure. Covering automotive engineering processes from start to finish, the Body-In-White Relational Design PLM Practice incorporates

are supported by the current methods and version of DS PLM software. Relational design, for example, is a Building Block demonstrating change propagation and product optimization, driven by logical part and assembly association. All facets of part management and any attached objects related to the maturing design are considered in the context of the latest ENOVIA V5 release to ensure consistent operation and robust application.

The PLM Engineering Desktop is a proven accelerator for ENOVIA VPLM implementations, increasing the value of your V5 applications, optimizing business processes, and minimizing program/project risk. Ensuring a successful first phase of deployment, the PLM Engineering Desktop also prepares and positions companies for subsequent phases of PLM deployment and targeted process improvement.



Industry-specific PLM Practices to guide customers through their ENOVIA VPLM implementation.

ENOVIA VPLM Building Blocks such as relational design and maturity management to ensure all aspects of design and development

PLM Engineering Desktop Building Blocks

- **Installation & Administration of CATIA V5 & ENOVIA V5 VPM**
- **People & Organization & Security**
- **Customization DMC & Mask**
- **Product Structure Initialization**
- **Maturity Management**
- **Configuration Management**
- **Visibility Management**
- **Change Management**
- **Design in Context**
- **Relational Design**
- **Catalog Management**
- **Assembly & Part Drawing Management**

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