

LIVE

ENOVIA Live Validation



ENOVIA® Live Validation enables engineering managers, project leaders, and designers to oversee and participate in collaborative digital mockup reviews, packaging, and pre-assembly analyses within ENOVIA® 3DLive™ and CATIA® V6.

Key Benefits

- Collaborate on digital mockup reviews, and packaging and pre-assembly analyses.
- Shorten the review process by sharing identified problems with team members for faster resolution.
- Identify and resolve design issues earlier in the product development cycle.
- Accurately track design errors from identification to resolution.
- Turn brainstorming ideas into reality by making contextual changes in 3D real-time.
- Communicate solutions clearly with annotations that explain concerns.
- Answer questions in real-time using technical analysis tools that reveal important details.
- Optimize clarity and understanding with carefully placed geometry.
- Ensure intellectual property is secure on screen, online, or in print.
- Document multiple 3D reviews and validations without affecting the product definition.

Product Overview

For many companies, reviewing and validating designs can be a challenging process with many steps to consider, from locating parts to building an assembly for participants to review and record any issues. Parts can be out-of-date or be incorrect for an assembly, review teams can be missing critical roles or include individuals who are not collaborative, and reviews can be conducted haphazardly with no consensus on issues or follow-up actions.

ENOVIA Live Validation shares a complete 3D report of how development decisions are made. With ENOVIA Live Validation, users access tools that optimize visualization, navigation, analysis, and communication. Users can analyze product consistency, display review presentations, execute design validation, conduct 3D meetings, reply to reviews and make better informed decisions.

Product Highlights

ENOVIA Live Validation has the following capabilities:

Intuitive User Experience

ENOVIA Live Validation delivers an innovative user interface that enables all users, including non-CAD-specialists, to contribute to product review. ENOVIA Live Validation is easy to learn, which helps to dramatically reduce the cost of ownership. Contextual tools are available at a click of the mouse. As changes occur in real-time, extensive feedback makes reviews intuitive.

Conduct Design Review Meetings with Real-Time Access to Accurate Information

To make the best design and development decisions possible, attendees in a collaborative review meeting need access to accurate, real-time, in-context information. In addition, meeting attendees need to “present” information in a quick and easy to understand format. ENOVIA Live Validation allows design managers and engineering teams to:

- Build their design review environment digitally in real-time
- Analyze the digital mock-up to gain early insight into key factors that determine quality, performance, and cost.

These capabilities enable better decision-making by stakeholders, leading to faster time to market, quality improvement, and lower costs.

Perform a Review with Comprehensive Review and Analysis Tools

ENOVIA Live Validation has review tools that allow users to access information, create slides, and add text and annotations for accurate design analysis and information sharing. Users can:

- Review product structure, interference results, and/or the system's structure (functional and logical data).
- Engage 3D review tools that reveal important details and allow users to add 3D markers to annotate the digital mockup or section geometry to analyze the content and measure items or distances.
- Use a robot to move parts directly into 3D to provide more clarity in the review
- Render all markers with colors, transparencies and position.
- Enable instant collaboration for participants to share any review information in real-time.
- Allow "read only" access to relevant validation objects (context, replies, checks and concerns) for seamless collaboration between architects (DVA users) and engineering managers, project leaders, or designers (LVA users).

Use a Collaborative Decision Management Digital Review Process to Validate Designs

ENOVIA Live Validation offers a complete environment to validate a product design using a collaborative Decision Management Digital Review (DMDR) process. Users can perform reviews, add information and feedback to issues, and reply to previous reviews or other participants' comments. Using ENOVIA Live Validation, users create validation objects that remain fully associative throughout the product development lifecycle. Validations contain information to enable knowledgeable decision-making. Without ENOVIA Live Validation, reviews are integrated directly into the product structure, which may affect downstream processes in some cases. With ENOVIA Live Validation, validation reviews can be performed separate from the product structure, which preserves the current product definition for other processes.

ENOVIA R.A.C.E. Setup Compliance

When ENOVIA Live Validation is deployed along with ENOVIA® VPM Team Central™ or ENOVIA® VPM Central™ using the available ENOVIA Rapid Application Configured Environment (R.A.C.E.) Setup, the applications can be used immediately in production. This eliminates the need for specific customizations and reduces the time and effort for enterprise deployments.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA Live Validation supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values, which are:

- Global collaboration innovation
- Single PLM platform for intellectual property (IP) management
- Online creation and collaboration
- Ready to use PLM business processes
- Lower cost of ownership.



Delivering Best-in-Class Products



Virtual Product



Information Intelligence



3D Design



Virtual Planet



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing



Social Innovation



Collaborative Innovation



3D Communication

Dassault Systèmes, the **3DEXPERIENCE** Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 150,000 customers of all sizes, in all industries, in more than 80 countries. For more information, visit www.3ds.com.

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