

## LIVE

### ENOVIA Live Similarity



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 CATIA/DELMIA®/SIMULIA® (for part and logical). 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.

#### Key Benefits

- Increase productivity and speed up design engineering by viewing and choosing part substitutions in a 3D environment
- Reduce duplicate parts and associated costs by identifying quickly similar parts
- Bring products to market faster by instantly checking part substitutions for design feasibility

## Product Overview

ENOVIA® Live Similarity reduces duplicated references in a database as designers can access and check existing data directly on their designs before deciding to create new designs. Innovation quickens as designers share their work in a realistic 3D environment populated by accurate, real-time data.

The shape-based search technology enhances the 3D environment, ENOVIA® VPM Team Central™ or ENOVIA®VPM Central™. For example, today changing a component in a design is a very complex process that requires knowing the part, the part number, and the family of parts. With ENOVIA Live Similarity, designers interested in changing a component, can very simply and instantaneously have a list of choices for parts. Search and tracing functions of similar 3D parts is quicker, enabling a rapid product deployment.

Using ENOVIA Live Similarity, designers access the shape for information, no longer needing to know the name of the part. While working in ENOVIA VPM Team Central or ENOVIA VPM Central, designers work seamlessly and fluidly by accessing drop down menus available through simple key strokes. ENOVIA Live Similarity eliminates the need for search libraries, reducing overall product development time and costs. Other stakeholders, such as purchasing and sourcing, also can use ENOVIA Live Similarity to their advantage.

With a few, simple key strokes, users can search for specific data using designs of interest and:

- Access real-time information on part substitutions,
- Navigate in the user interface and identify similar shapes easily.
- Instantly retrieve part information and view appropriate available components in 3D thumbnails, with names and ranking information.

## Product Highlights

### Shaped-Based Data Indexing

ENOVIA Live Similarity requires the CATIA V6 3D design data to be indexed. During indexation, a 3D signature is computed for each shape. This is the signature that is used to compare shapes and find similarity. This 3D signature is computed with a proprietary Dassault Systèmes algorithm and describes the 3D geometry in detail. This signature is then used to compare geometries and classify them into an index that will allow fast search and results display. ENOVIA Live Similarity requires that the CATIA V6 data has been indexed with the capabilities provided with the ENOVIA® Live Collaboration license.

### ENOVIA R.A.C.E. Compliancy

When ENOVIA Live Similarity is deployed along with ENOVIA VPM Team Central or ENOVIA VPM Central using the available ENOVIA Rapid Application Configured Environment (R.A.C.E.), 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 Similarity supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaboration innovation, single PLM platform for intellectual property (IP) management, online creation and collaboration, ready to use PLM business processes, and 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

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### Europe/Middle East/Africa

Dassault Systèmes  
10, rue Marcel Dassault  
CS 40501  
78946 Vélizy-Villacoublay Cedex  
France

### Asia-Pacific

Dassault Systèmes  
Pier City Shibaura Bldg 10F  
3-18-1 Kaigan, Minato-Ku  
Tokyo 108-002  
Japan

### Americas

Dassault Systèmes  
175 Wyman Street  
Waltham, Massachusetts  
02451-1223  
USA

Visit us at  
**3DS.COM/ENOVIA**

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