3S ENOVIA

3DEXPERIENCE®

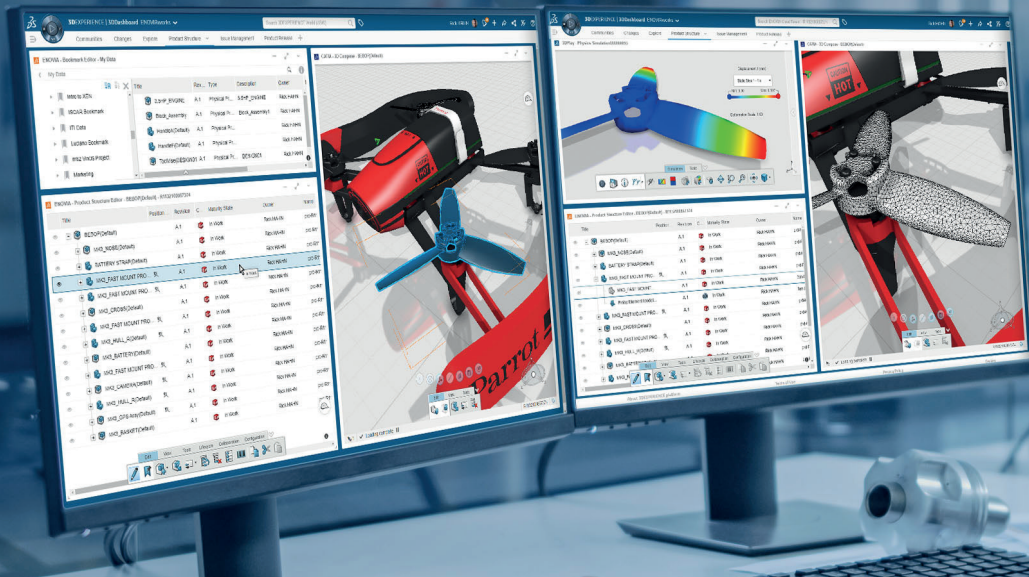# 3D PRODUCT ARCHITECT

OBJECTIVE:

Navigate and author multi-CAD product structures with a shared experience between structure and 3D visualization.

DASSAULT SYSTEMES

Highlights:

- Visualize, explore and edit multi-CAD product structures within a web browser
- Easily navigate product structures to visualize designs and related changes
- Create web-based 3D digital mockups and conduct design reviews
- Modify product structures under the governance of a change process
- Implement design changes in accordance with specific product configurations
- Build mockup sessions that can be loaded into CAD directly from a browser
- Measure and section 3D for quick analysis
- Explore related objects and load specific products in the context of a full assembly
- Filter content using volume of box, sphere, proximity or space queries

OVERVIEW

3D Product Architect provides the ability to explore and author multi-CAD product structures. Navigation and authoring is made available through a shared experience between a structure widget and a 3D visualization widget.

Engineering teams prepare initial product architectures by authoring multi-CAD structures; replacing and updating engineering items; and positioning them in 3D for further detailed design in CAD systems.

3D Product Architect allows architects to apply the effectivity of engineering items to finalize a configured product structure.

CAPABILITIES

Digital Mockup with Product Structure Editor

Review existing structures, mockup changes, create new structures and leverage existing products through insertion or duplication with the Product Structure Editor. Maintain full control over lifecycle functions such as release and revise. From within a web-browser, products may be mockup and made available for view by stakeholders. Structure changes are shown in the 3D view with cross highlighting in the table view.

3D Visualization and Filtering with 3D Compose

3D Compose enables visualization and navigation of the product structure in 3D to better understand impact of changes. With Volume Query, selected products in the structure editor are included for partial loading into design. Other capabilities such as measure, section and related objects enable examination of specific product features.

Configuration with Product Structure Editor

Pre-defined configurations developed in the Model Definition application enable the creation of products with variability and design context to each product. This provides a way to extend existing designs and deliver tailored products to customers.

Multi-CAD Visualization

Mulit-CAD DMU provides a single context from multiple design sources so products may be seen in their entirety to better understand how changes will impact the product.

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Dassault Systèmes, the **3D**EXPERIENCE® 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 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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