

3D COMPONENT DESIGNER



OBJECTIVE

3D Component Designer connects file-based CAD users to the **3DEXPERIENCE** platform, enabling product designs and documents to be managed directly from the desktop authoring application. Moreover, users can leverage the platform web-based apps to manage, annotate and visualize designs anywhere, anytime and on any device.

Highlights:

- Connect file-based CAD users to the **3DEXPERIENCE** platform
- Perform lifecycle operations including revise, release and lock/unlock
- Easily navigate product structures to visualize designs and related changes
- Search, explore and select relevant design context from a web browser
- Load design context into **CATIA V5** directly from a web-browser
- View and mark-up complex 3D product designs via the web
- View FT&A design information from a web-browser
- Leverage file-based **CATIA V5** data with **3DEXPERIENCE** platform design, simulation, manufacturing and governance apps and processes

OVERVIEW

3D Component Designer connects file-based CAD users to the **3DEXPERIENCE** platform, enabling product designs and documents to be managed directly from the desktop authoring application. By doing this through **3D Component Designer** data driven desktop applications now become part of the model based product definition where other disciplines can use DS portfolio applications to add to the complete product definition. This means one model serves all disciplines. Users can leverage the platforms web-based apps to manage, annotate and visualize designs anywhere, anytime and on any device. **3D Component Designer** also incorporates **3DEXPERIENCE** Web based applications directly within the CAD tool providing not only a consistent user experience between web and the CAD tool, but also access to other 3D Dashboard applications such as 3D Search, 6W tagging, ENOVIA Collaborative Task and ENOVIA Change Management just name a few.

3D Component Designer is mobile and cloud ready which means anyone, anywhere can collaborate and provide input to product improvements.

3D Component Designer includes CATIA 3D Markup which enables users view and markup product designs, review 2D **CATIA V5** Drawings. Markups can be saved and retrieved allowing other users to see important information that may involve change

3D Component Designer includes **CATIA 3D Annotation Experience** which allows viewing of FT&A information associated to a product design for downstream operations such as manufacturing and inspection

3D Component Designer includes PLM Collaborative Services for **CATIA V5, SOLIDWORKS Desktop** which enables users to manage product designs and documents directly from the desktop authoring applications. Additional PLM Collaborative Services for NX™, Creo Parametric, AutoCAD, Solid Edge and Inventor as well as ECAD applications from Cadence® Allegro, Mentor Graphics and Zuken can be added.

3D Component Designer also can take advantage of applications that are at the **Business (IFW)** and **Industry (CSV) Innovation** roles such as **ENOVIA Product Explorer, ENOVIA Collaborative Lifecycle Management, ENOVIA Collaborative Tasks, ENOVIA Bookmark Editor** and **ENOVIA Compare** which provide a rich set of applications within a single or multiple dashboards for managing product designs.

CAPABILITIES

CATIA 3D Markup

CATIA 3D Review enables users to review and annotate designs. Markups can be created and saved away for others in the collaboration chain to review and comment. Slides can be created and sent to others for review to better illustrate the area of concern within the product. Measures, section, compare are also available within CATIA 3D Review.

Related Objects

As part of CATIA 3D Review, related objects can be navigated to understand where a product may be used and what other products are associated when considering product changes.

3D Component Designer can also take advantage of applications that are part of the Industry Innovation role (CSV), such as **ENOVIA Product Explorer**, **ENOVIA Collaborative Lifecycle Management** and **ENOVIA Collaborative Tasks**.

ENOVIA Collaborative Tasks Enable a simple way to manage adhoc process of review as the tasks themselves can contain content and allow users to open discussion threads along with approve or reject functions which logs the asynchronous interaction around proposed product changes

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