WHAT'S NEW IN R2016x

With the **3D**EXPERIENCE® R2016x release, ENOVIA® makes it possible to innovate more and manage less with user experience improvements for designers, engineers and business leaders.

AT A GLANCE:

- New offerings available with cloud subscription licensing to accommodate product portfolio planning and variant design
- New interactive approach to define product configuration rules
- New dashboard for tracking engineering deliverables
- Deliver "Precision Merchandising" for Retailing Stores
- Automated materials compliance declaration requests
- More fine-tuned project schedules accommodating fixed completion dates and unique working calendars
- New approaches to investigate and compare CATIA® **3D**EXPERIENCE design alternatives

New Offerings Available with Cloud Subscription Licensing

The previous release already allowed companies to use ENOVIA on the cloud to manage its design process with formal project management methodologies. The cloud offering has been expanded to include the **Product Manager**, **Product Architect**, **Configuration Management**, **Configuration Management for BOM**, and **Change Management** licenses. The expanded license support allows cloud users to define the product portfolio and the requirements and configuration rules that influence the design process. As such, the design process can be more efficiently executed by adopting design in configured context methodologies. Further, the overall product development process can be executed with improved cross-functional collaboration when implementing changes to the product's conceptual or physical definition.

New Interactive Approach to Define Product Configuration Rules

Product Manager has a new interactive matrix for defining product configuration rules. The portfolio features can be organized into rows and columns for users to easily indicate whether a specific combination is compatible or incompatible. Not only does it more quickly establish configuration rules, it provides an excellent way of visualizing how the portfolio will be made available to various market segments.

New Dashboard for Tracking Engineering Deliverables

Product Engineer includes an engineering dashboard view, which provides users with a configurable, consolidated view of all of their assigned tasks and items which they have authored or are assigned to work on based on a user defined time range. The engineering dashboard improves productivity by reducing the need for the user to search for assigned tasks or items. In addition, **Product Engineer** includes configurable charting capabilities, which provide intuitive summary views for a group of parts or engineering bill of material (EBOM), based on user criteria of interest such as child part maturity, materials or ownership.

Deliver "Precision Merchandising" for Retailing Stores

3D Merchandiser enables brand manufacturers and retailers to define and optimize their stores' consumer point-of-sale experience through the creation of 3D planograms. Its rules-driven approach now takes into account the configuration of each individual store's fixtures, assortments, sales history, and inventory levels to automatically populate the store and shelf planograms. This enables retailers and brands to collaborate and adapt faster to specific in-store business variations and goes one step forward to delivering a real-time "virtual twin" of the retailing store network.

Automated Creation of a Retailing "Virtual Twin"

3D Merchandiser enables brand manufacturers and retailers to define and optimize the consumer's point-of-sale experience through the creation of 3D planograms, which are significantly automated in this release. Its rules-driven approach now takes into account the configuration of each individual store's fixtures, assortments, sales history, and inventory levels to automatically populate the store and shelf planogram. This enables retailers and brands to more quickly adapt to specific in-store business variations.

Automated Materials Compliance Declaration Requests

To help eliminate the need for manual operations, **Materials Compliance Manager** can now automatically create material declaration requests to suppliers for each manufacturing equivalent part in the bill-of-material. For automotive customers, the interface to IMDS can be automated as well. This new automated approach reduces missed declarations that may delay the successful launch of the product.

More Fine-tuned Project Scheduling

Project Manager has new ways to improve how the project schedule is built. Since the working week, working hours and holidays vary across the globe, project tasks can now be associated with a calendar unique to the people performing the task. Temporary exceptions can also be added to a calendar to handle unplanned events. An example of a calendar exception could be expanding working hours or days in order to make up for a delayed task.

Project schedules can also now be defined to ensure completion by a certain date. This of course may require greater resource allocations and costs than originally anticipated.

New Approaches to Investigate and Compare CATIA 3DEXPERIENCE Design Alternatives

Collaborative Innovation now supports the management of CATIA **3D**EXPERIENCE design alternatives during the conceptual design phase with full freedom to investigate new ideas and flexibility to choose the best design that meets objectives. An intuitive graphical map provides complete traceability of design progression from the ideas that were explored to the final design. **Collaborative Innovation** also provides new ways to compare CATIA **3D**EXPERIENCE design alternatives at different maturity stages. Differences and similarities can be easily reviewed with either a side-by-side comparison or with a merged view using highlighting of the unique aspects of each alternative.

When investigating a CATIA **3D**EXPERIENCE design, the **Collaborative Innovation** "product finder" leverages a fully indexed light-weight representation that maintains structure knowledge and provides quick access to metadata. Within this complex, multi-level assembly, users can graphically select the level to load into session without time-consuming navigation of a tree structure.

Our **3D**EXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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