

DS 3DEXCITE



3DEXPERIENCE

3DEXCITE DELTAGEN 2021X INSPIRING INNOVATION



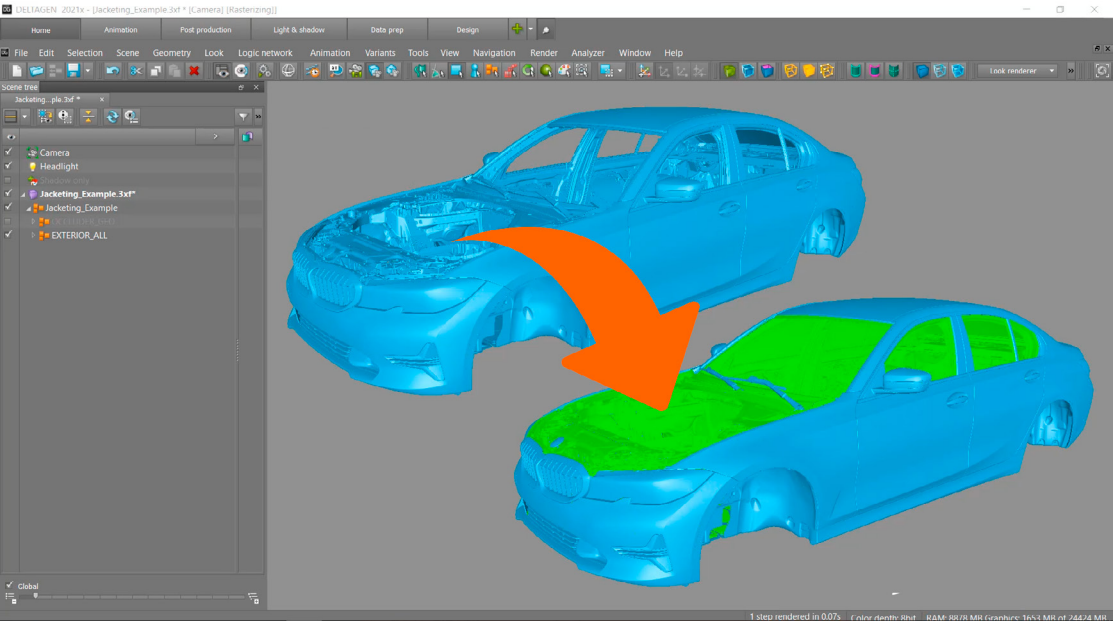
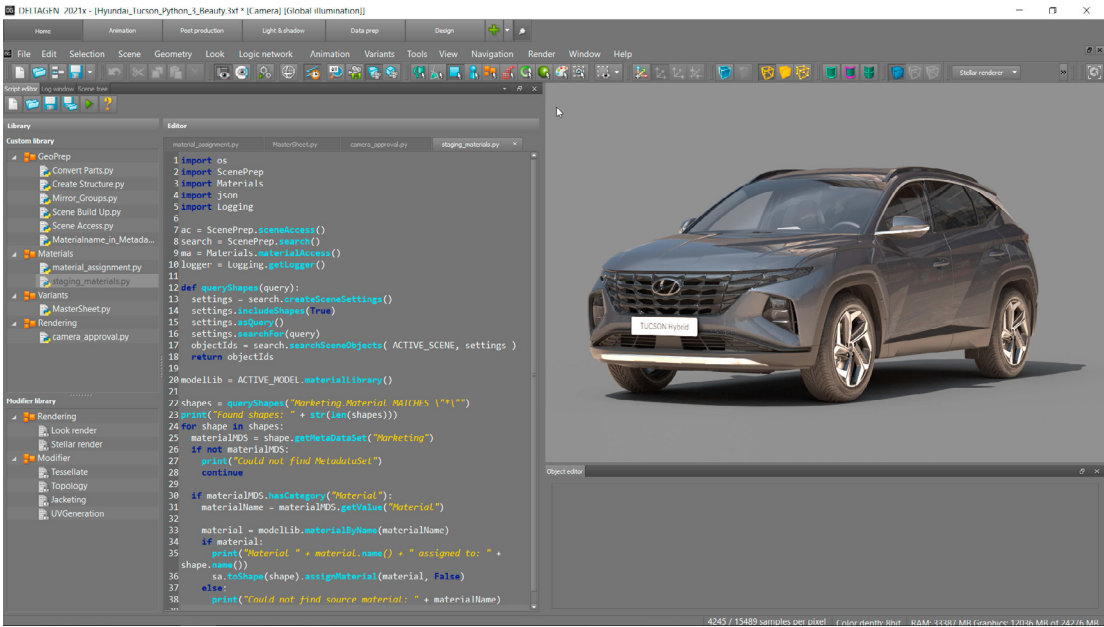
**DS DASSAULT
SYSTEMES**

The 2021x release of 3DEXCITE DELTAGEN offers new 3D visualization tools that strengthen and accelerate exceptional experience and image creation for design validation and stakeholder approval. A new Python Pipeline and Jacketing Configurator enhancement saves time by optimizing product data more quickly and efficiently. The Pixel Sampler, Denoiser and Adaptive Sampling ensures your CAD data looks its best, and physical camera, new lighting features and AxF 1.7 Support gives maximum compatibility and control over your rendered content.



PYTHON PIPELINE

The Master Model is created to facilitate digital and interactive marketing content. It requires the optimization of CAD data, assignment of material and metadata, and the creation of variants for configurable experiences. All these tasks can now be automated with scripts that drastically reduce time commitment and cost. This enhancement directly benefits agencies by way of cost reduction. 3D Artists and Technical Directors, not just Developers, will also find it easy to set up automated workflow and pipeline procedures.

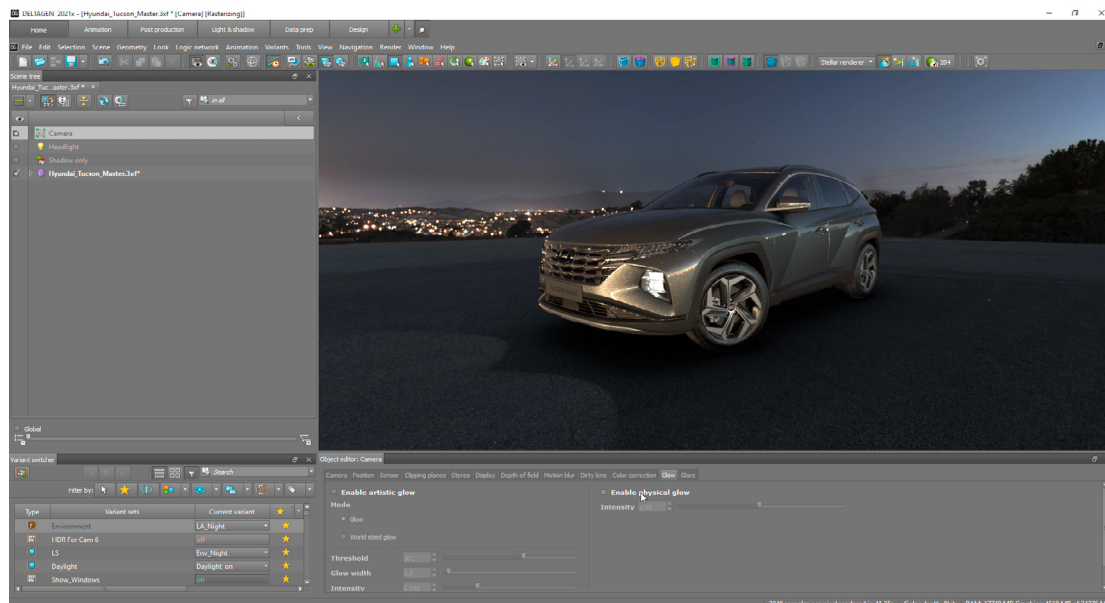
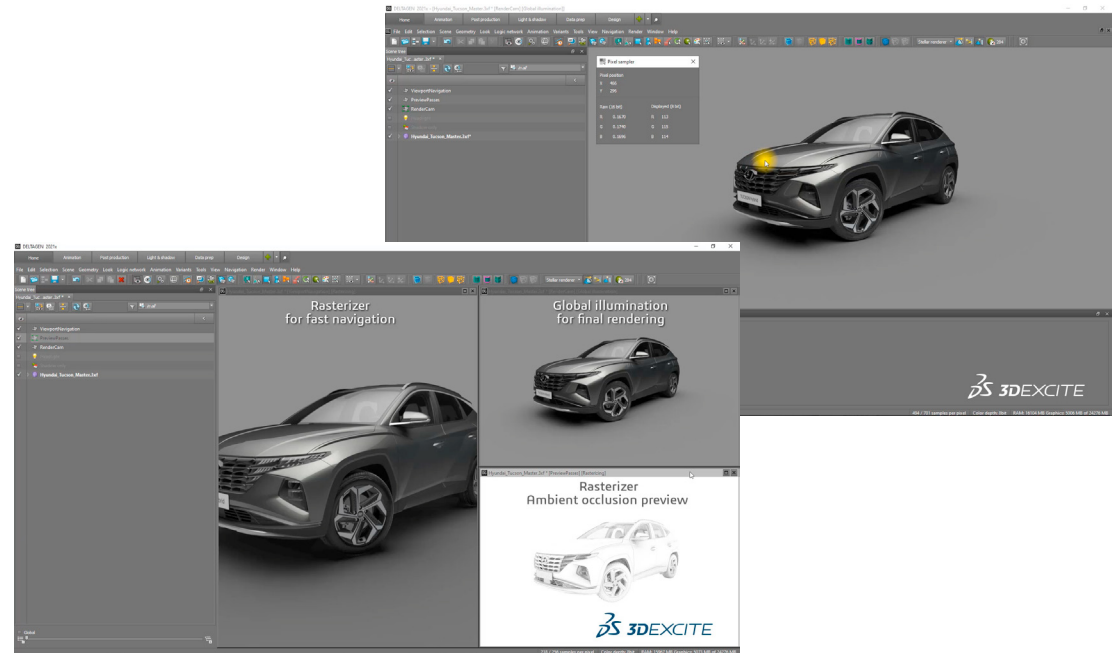


JACKETING CONFIGURATOR - ENHANCEMENT

Preparing data for marketing experiences, animation and imagery can be a painstaking task. This update to the DELTAGE N jacketing configurator can now remove hidden surfaces, thanks to an all-new algorithm. Individual parts and whole products can be isolated, and inverted jacketing makes it easier to focus on complex interiors. CAD data specialists and beginners alike can use these enhancements to eliminate repetitive tasks and achieve their creative goals more quickly.

PRODUCTIVITY ENHANCEMENTS

Save time while producing offline assets for product communication. The **Rendermode per Camera** and **Pixel Sampler** enhancements allow for the display and adjustment of beauty, AO, Normal, and other passes simultaneously, directly in the viewport, for perfect visual quality. The **Denoiser** contains a new method of providing high-quality results at low sample settings. **Adaptive Sampling** and **Quality-Based Sampling** allow for targeted quality with the Stellar render engine. Visualization teams, agencies, and studios can raise the bar with parallel render-pass functionality.



ADVANCED RENDERING ENHANCEMENT

Improved **Physical Camera** controls allow for the simulation of any camera and lens, with controls for exposure, depth of field and motion blur. Enhanced lens effects enable an accurate, scalable and physically-correct **Glow Effect** for real-time visualization. **Light Units for Surroundings** gives improved controls for local surroundings and physically-correct lighting setups. **AxF 1.7 Support** enables the highest material consistency across the 3DEXPERIENCE® platform and DELTAGEN. These enhancements bring real-world camera controls to the digital toolbox.

SYSTEM REQUIREMENTS

The following quotes the required setup specifications for running DELTAGEN and DELTAVIEW and for processing the 3D scenes that are loaded.

Only NVIDIA® graphic cards are capable of displaying all visual effects and shaders created with our software. This cannot be guaranteed with graphic cards from other manufacturers. Visit our Software Services website for constantly updated information.

HARDWARE REQUIREMENTS

Type	Recommended	Minimum
RAM	16 GB	64 GB
CPU	2 * Intel® Xeon® E5-2680 v4	2 * Intel® Xeon® Gold 5120T

GRAPHICS CARDS

Qualified	Validated	Compatible
NVIDIA® Quadro RTX6000, P6000, GV100, M6000	NVIDIA® Quadro RTX5000, P5000, P4000, GP100, M5000, M4000	NVIDIA® Quadro RTX4000, M2000

QUALIFIED: TESTED USING EXTENSIVE FUNCTIONAL WORKFLOWS.

VALIDATED: TESTED USING BASIC FUNCTIONAL WORKFLOWS.

COMPATIBLE: NO FUNCTIONAL WORKFLOWS COVERAGE, BUT NO KNOWN TECHNICAL LIMITATIONS.

Recommendation for VR experiences: 2 x Quadro RTX6000 in SLI mode (NVLink Bridge required).

OPERATING SYSTEM

Component	Recommended	Minimum
DELTAGEN	Windows® 10	Windows® 10
DELTABATCH	x64 Enterprise	x64 Enterprise
DELTAVIEW		

MONITOR RESOLUTION

Component	Recommended	Minimum
DELTAGEN	1920 x 1200	1280 x 1024
DELTABATCH		
DELTAVIEW		

RECOMMENDED DRIVERS

Component	NVIDIA driver	Certification document
DELTAGEN	442.50	Available upon request
DELTABATCH		
DELTAVIEW		

ADDITIONAL SOFTWARE

Component	Minimum requirements
DELTAGEN	Adobe® Flash Player
DELTABATCH	(for DELTAGEN Flash Video Texture, PICTUREBOOK Connector, XPLORE)
DELTAVIEW	Apple QuickTime Player (for QuickTimeVR export) Microsoft® Internet Explorer 10 or higher

Our **3DEXPERIENCE®** platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

