SIMULIA WORKS

3DEXPERIENCE®

OVERVIEW

SIMULIAworks is a portfolio of connected, powerful and collaborative simulation solutions on the cloud-based **3D**EXPERIENCE® platform. It empowers you to accelerate design innovation by solving engineering challenges for your SOLIDWORKS® 3D designs with full data associativity.

You can perform any structural analysis tasks with confidence, from the simplest linear static analysis to the most complex nonlinear drop test and impact analyses, by leveraging the built-in market-proven Abaqus solver technology.

The intuitive, interactive **3D**EXPERIENCE platform enables your teams to share and visualize 3D simulation results and collaborate in real time from anywhere with a web browser. You can also easily create and assign tasks and manage multiple projects to speed up project delivery.

DASSAULT SYSTEMES

THE SCALABLE PORTFOLIO INCLUDES:

- **Structural Designer**: an intuitive and guided simulation solution for designers who need to assess product performance under linear static, thermal and frequency conditions.
- **Structural Engineer**: a role for design engineers providing linear static, thermal and frequency analysis solution with solid, shell and beam meshing to assess product performance.
- **Structural Performance Engineer**: a role for design engineers to assess the product performance under linear and nonlinear static, thermal, frequency, thermal-stress, linear dynamic and quasi-static conditions.
- **Structural Mechanics Engineer**: a role for design engineers and simulation experts to solve, in addition to what Structural Performance Engineer solves, nonlinear dynamic high-speed events, material calibration and geometry simplification.
- **Simulation Collaborator**: a role for any collaborator and manager who needs to review and compare simulations in real time from anywhere to make faster design decisions.

All SIMULIAworks solutions offer an integrated workflow with SOLIDWORKS 3D CAD and use the same user interface making it easier for your engineers to come up to speed with new solutions.

TECHNICAL HIGHLIGHTS

Easy to access and easy to use

- Continuity, associativity and traceability with SOLIDWORKS for efficient what-if scenarios during the design process
- Guided simulation setup with a customizable User Assistant panel for fast adoption and reduced learning curve
- Subscription licensing model to match the length of your project (3 months or 1 year)

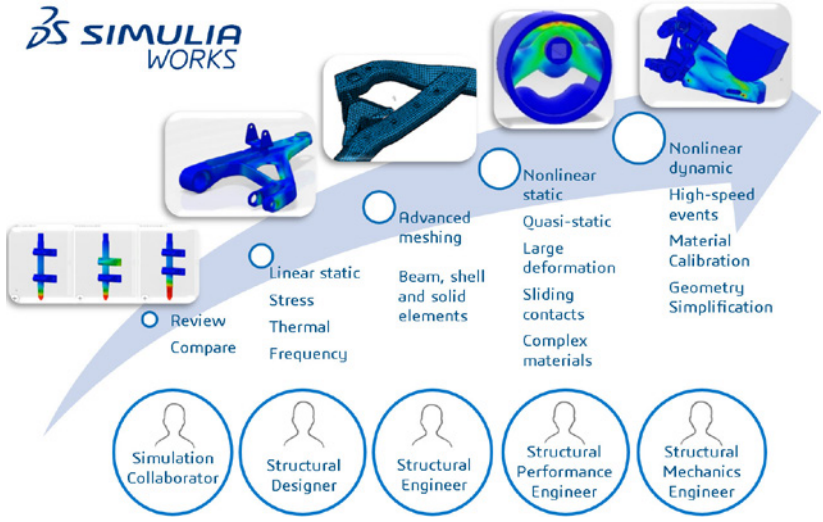
Powerful structural simulation technology

- Built-in Abaqus technology for linear, nonlinear, static, quasi-static, dynamic, linear and non-linear materials, sliding contact interactions, large deformations, large strain validation
- Material calibration for accurate material behavior modeling

Collaborative, secure platform in the cloud

- Share simulation results and collaborate on your design projects from anywhere
- Single, centralized, secure location on the cloud for all your engineering data, enabling the right people to access the right information at the right time
- Cloud computing for handling validation of larger models without taxing your local machine

KEY HIGHLIGHTS



Solve any type of structural simulation problems with the SIMULIAworks portfolio of solutions.

Our **3D**EXPERIENCE® platform powers our brand applications, serving 11 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 250,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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DASSAULT SYSTEMES | The **3D**EXPERIENCE® Company

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