3DS SIMULIA

TRANSFORM YOUR ENGINEERING WITH FLEXIBLE, INTEGRATED SIMULATION SOLUTIONS
Where Innovation Meets Cost Efficiency

In a landscape where fragmented simulation tools and rising costs create challenges, SIMULIA offers a smart and powerful way forward. With a modern approach to physics simulation that employs Artificial Intelligence/ Machine Learning (AI/ML), supported by unified licensing and stable pricing, SIMULIA helps reduce the total cost of ownership. By integrating modeling, simulation and data management on the **3D**EXPERIENCE® platform, IT and engineering leaders can unify a fragmented and non-integrated simulation tool landscape. This approach helps optimize spending and accelerate innovation—all while supporting digital continuity and traceability to simplify certification requirements.

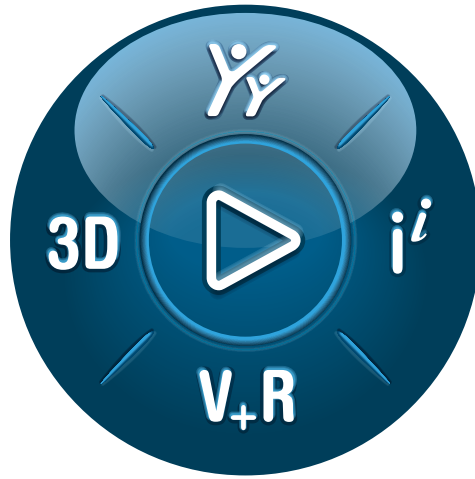| WHY SIMULIA?	VALUE DELIVERED
AI/ML-powered Unified Modeling and Simulation (MODSIM) Avoid disconnected workflows between CAD and CAE. SIMULIA's approach to physics simulation, MODSIM, integrates modeling and simulation within the **3D**EXPERIENCE® platform, reducing inefficiencies and enabling scalability.	• **Designer simulation**: Easy access to physics-based performance evaluations enables broader exploration of conceptual design possibilities. Standardized workflows empower designers to run approved studies, while simulation analysts focus on advanced development methodologies. • **AI/ML**: Create virtual twins of physics behavior using AI/ML to empower designers to evaluate design options and predict performance KPIs in seconds. • **Seamless geometry updates**: A common data model ensures geometry changes are automatically reflected in simulations, cutting manual rework. • **Accelerated validation**: Automate parametric studies to explore design options faster and validate concepts earlier, reducing late-stage rework. **Proven results**[1]: Industry customers report cycle time savings of more than 60%. Traceable and auditable processes drive innovation and meet enterprise governance needs. 1. Industry customers report cycle time savings of more than 60%. **Read more** about how MODSIM has already streamlined customer processes and development times.

3DS DASSAULT SYSTEMES

WHY SIMULIA?	VALUE DELIVERED
Comprehensive Tools, One Strategy Why rely on disconnected tools when multiphysics simulation requires a fully integrated solution?	• **Broad portfolio:** Access linear and advanced nonlinear Finite Element Analysis (FEA), cover low to high frequency electromagnetics (EM) and investigate Computational Fluid Dynamics (CFD), multibody dynamics (MBD) and vibro-acoustics—all in one ecosystem. • **Digital continuity:** Centralized licensing, data and governance using the **3D**EXPERIENCE platform, streamline compliance, traceability and collaboration. • **Future-ready technology:** Use the latest best practices & methodologies, GPU acceleration and high-fidelity analysis to pursue cutting-edge innovation faster. **Proven results**: A cohesive, scalable simulation strategy that simplifies management while enabling faster, higher-impact results.
Cloud-Enabled Scalability Modern simulation demands access to elastic compute power without high CAPEX or IT overhead. SIMULIA's cloud-based capabilities make this possible.	• **High Performance Computing (HPC) on demand**: Scale cores as needed to speed up analysis or run multiple simulations in parallel. • Pre-configured Cloud HPC straight out of the box • **Rapidly-deployable SaaS compute service**: available in as little as a day • **Secure collaboration**: Cloud-native tools enable teams to manage IP and share models and results easily with the right stakeholders, fostering innovation from anywhere. **Faster time-to-answer**, reduced infrastructure costs and access to the latest methodologies—all with enterprise-grade security.
Flexibility Without Complexity: Unified Licensing Model SIMULIA's token-based Unified Licensing Model adapts to project needs, eliminating license sprawl and simplifying operations.	• **Access multiple technologies seamlessly**: Whether Abaqus, CST Studio Suite, PowerFLOW, Simpack or Tosca, all solvers are powered by a shared licensing pool. • M**aximized usage**: Reallocate tokens across teams and disciplines, eliminating idle resources. • **Cost-efficient scalability**: Start small and scale for peak demands, with flexible options for burst compute. • **Predictable budgeting**: Transition to a single licensing model for simplified renewal schedules and cost predictability. **Fewer contracts**, **reduced overhead** and more simulation capacity to drive innovation.
Predictable Pricing Price stability matters for multi-year strategy and planning.	• **Budget stability**: SIMULIA maintains stable, transparent pricing. • **Avoid renewal shocks**: SIMULIA's pricing model minimizes volatility, helping IT and procurement plan confidently for the future. **Predictable costs** that align with your long-term strategy.

SIMULIA transforms fragmented simulation landscapes into unified, scalable systems. This system offers flexible licensing, advanced multiphysics tools, AI/ML integration and secure cloud support. It helps with strategic planning, ensures projects stay on budget and on time, and significantly shortens development time.

Why Choose SIMULIA?

• Total cost of ownership and license utilization optimization.

• Fewer tools to manage and native integration with CAD and PLM.

• Digital continuity and traceability to meet certification needs.

• Cutting-edge technologies and methodologies that accelerate innovation.

• Predictable, scalable costs that align with enterprise growth.

Request a comprehensive analysis of your current simulation environment.
Contact us today: discover.3ds.com/why-simulia-transforms-engineering

3DEXPERIENCE®

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' **3D**EXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: **www.3ds.com**

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Virtual Worlds
for Real Life

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