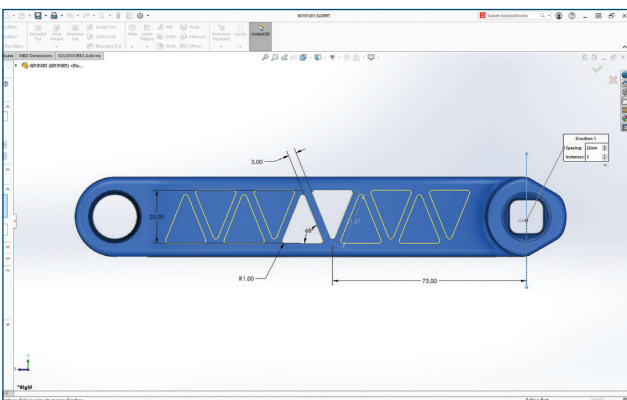# DS SOLIDWORKS

3DEXPERIENCE

TOP 10 REASONS TO INVEST IN 3DEXPERIENCE® WORKS

3DEXPERIENCE® Works extends the value of SOLIDWORKS® by leveraging the cloud-based **3D**EXPERIENCE platform to provide a single, unified, collaborative environment that enables everyone involved in product development to contribute to the innovation process. Simply put, if you love using SOLIDWORKS, you can continue to do so while expanding your tool chest with proven, leading tools for everything from data management and collaboration to simulation and next-generation design. **3D**EXPERIENCE Works takes the SOLIDWORKS you know and trust to the next level at a pace that is right for you.


1 SOLIDWORKS 3D CAD

Your product development investment begins with the industry-standard, original 3D design democratizer, often imitated, never duplicated, preferred 3D CAD tool of leading designers and engineers around the world: SOLIDWORKS. Everything in **3D**EXPERIENCE Works begins with SOLIDWORKS and its almost 30-year pedigree for bringing trusted, user-friendly, and powerful design solutions to market.


2 Ease of Use Delivered by a Legendary UI

SOLIDWORKS made its name by opening the doors to 3D CAD and putting the power of 3D design on every engineer's desktop PC. Making CAD accessible to everyone has been our priority since day one. You could say SOLIDWORKS is obsessed with creating the best user experience possible. That begins with building a solution with users—and transforming their feedback into enhancements—while keeping our goal top of mind.

DS DASSAULT SYSTEMES
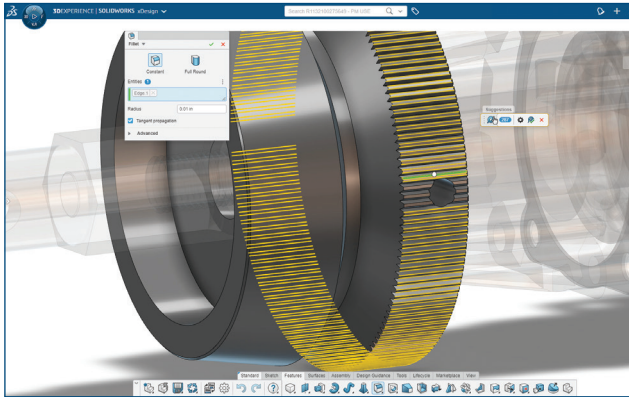
3 Streamline Your Workflows With AI/Machine Learning

SOLIDWORKS is laser-focused on developing technologies to maximize your efficiency and creativity. AI and machine learning capabilities are prime examples. Included in SOLIDWORKS browser-based solutions, the Design Assistant uses powerful predictive AI that's built on the culmination of extensive research and invaluable user feedback. These AI capabilities elevate your design process to new heights by staying one step ahead. SOLIDWORKS predicts your every move as you design, offering invaluable suggestions along the way to boost productivity and eliminate repetitive work.
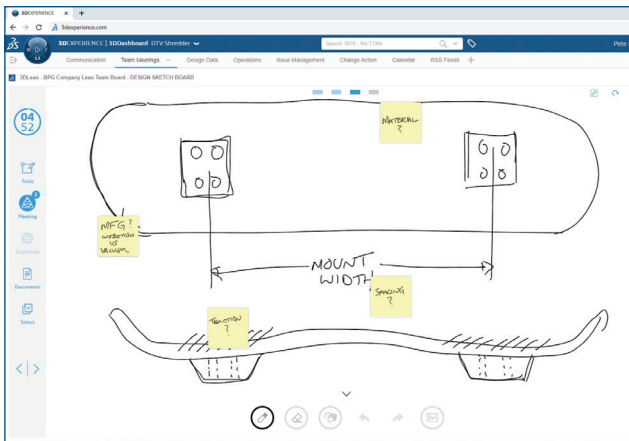

4 Structured and Unstructured Collaboration

How well can you work with others? Getting everyone on the same page during product development can be a Herculean task, but teamwork can become a strength when you connect your SOLIDWORKS data with structured and unstructured collaboration tools available in the **3D**EXPERIENCE Works portfolio. Imagine that structured collaboration, such as design reviews and validation, as well as unstructured collaboration, like brainstorming, are united. This creates a single source of truth that connects all stakeholders throughout your product development process. This level of connectivity makes it easy to iterate and innovate across teams, but also provides the structure to ensure projects are meeting or even beating deadlines.
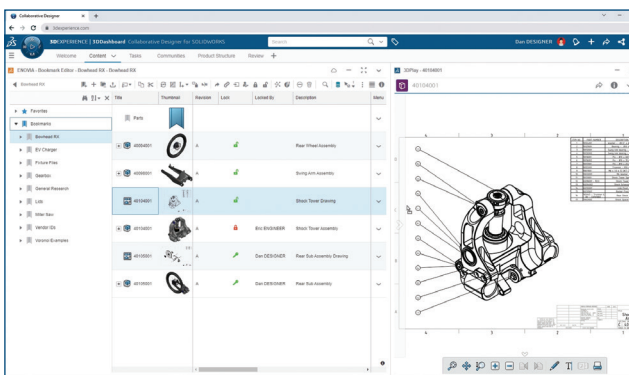

5 Access Your Data Anytime, Anywhere

Whether it was a file cabinet or network folder, designers and engineers have always needed a place to store and access data. Enter Cloud Services for SOLIDWORKS, now available with new purchases of SOLIDWORKS Desktop CAD. Cloud Services provides you with online storage that's purpose-built with CAD relationships and collaboration in mind. You simply save your data to the cloud right from SOLIDWORKS. If you need to work with other designers, you can lock designs to ensure no one overwrites your work, easily manage revisions, and create detailed markups with redline, measurements, and annotations. Welcome to your single source of truth to keep your tasks on point and on time.
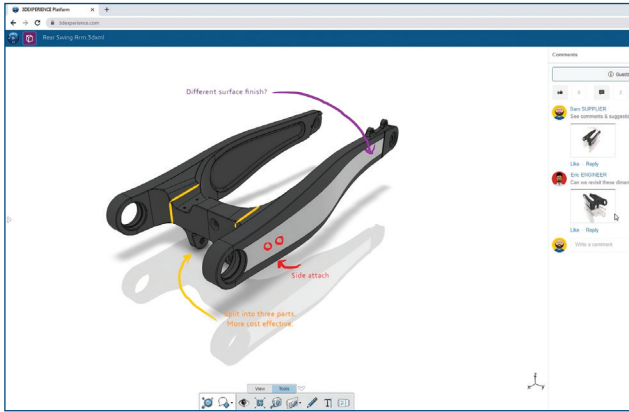
6 Bring Your Ecosystem

Your design ecosystem does not end inside the walls of your business. Whether you need to share 3D models with external suppliers, collaborators, or customers, you can get real-time feedback from ANYONE by simply sharing a link directly from SOLIDWORKS. These Share and Markup capabilities, included with Cloud Services, require no installation. There is no need to send a physical file, as it all works from any browser. And best of all, you do not have to leave SOLIDWORKS to extend your ecosystem to external stakeholders.
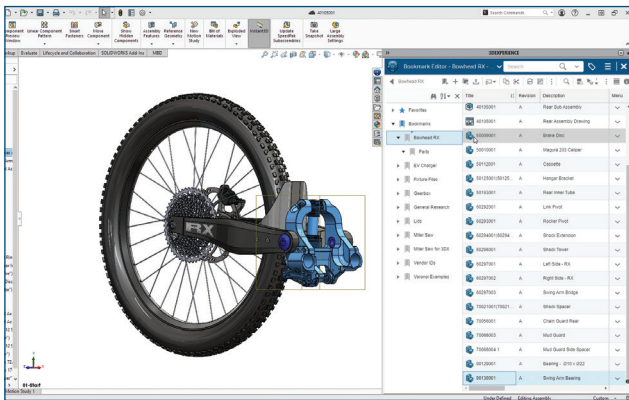

7 True Multi-CAD

The reality is, most companies rely on a multi-CAD environment. Working with customers and outside vendors often requires using third-party CAD data. While this might have caused issues in the past, when your CAD data is connected to the **3D**EXPERIENCE platform, converting files is no longer required. Through Collaborative Designer roles, you can import third-party 2D and 3D CAD data directly into SOLIDWORKS without spending time converting the file, and you will be notified about any changes involving that imported part. Furthermore, if you're switching to SOLIDWORKS from another CAD application, the true multi-CAD capabilities enable you to easily continue using legacy files.
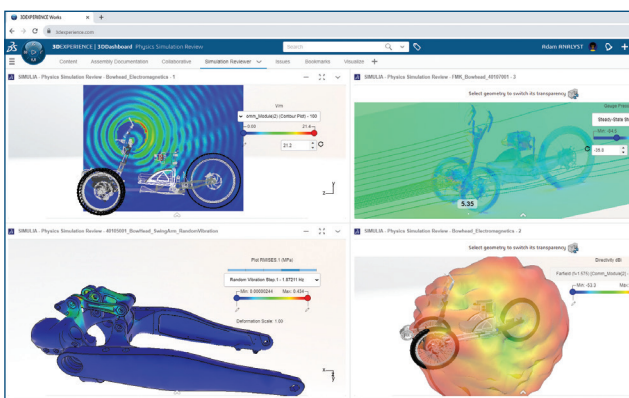
8 Design of Experiments

Simulation is the ultimate tool for making better, fact-based design decisions. Trusting your gut might work when dealing with emotions, but effective design requires validation through virtual experimentation. With the **3D**EXPERIENCE Works portfolio, SOLIDWORKS users have access to the most advanced analysis tools on the market. This means you can run hundreds of what-if virtual experiments examining how to best develop your designs, giving you confidence to guide you on your path to design excellence.
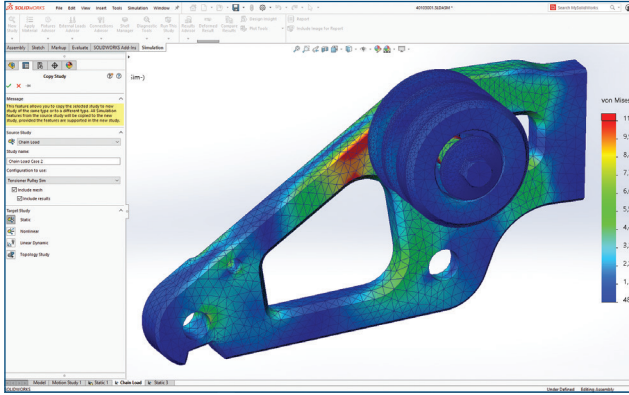
9   Use a MODSIM Product Development Approach

The Modeling and Simulation (MODSIM) design paradigm uses simulation to drive your product development process from beginning to end. In product development, modeling and CAD bring ideas to life. Simulation examines whether products will behave as desired in their real-world performance and quality. MODSIM unites these domains by enabling the use of a common SOLIDWORKS data model for both modeling and simulation. This approach removes silos from traditional modeling and simulation tools while fostering creativity and design exploration. The ability to validate designs throughout the entire product development process not only reduces chances of late-stage failures, but a MODSIM approach also means getting to market faster with the best possible product experience.
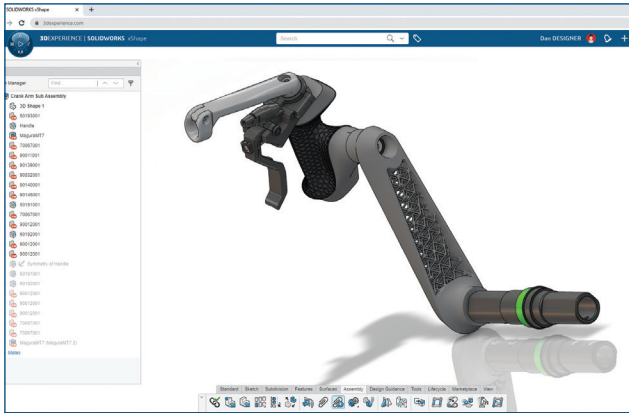
10   Tackle Any Challenge Thrown Your Way

With your SOLIDWORKS data connected to the **3D**EXPERIENCE platform, you always have a solution to your product development problems. Integrated tools across manufacturing, simulation, and data management are available to grow with you. Go beyond traditional CAD with industry-leading subdivision modeling, lattice, and topology design capabilities. The possibilities are limitless. SOLIDWORKS users can tap into the cutting-edge tools developed by Dassault Systèmes and its billions of dollars of investment into product experience.

Take the next step to explore how **3D**EXPERIENCE Works brings benefits to every SOLIDWORKS user. Visit 3dexperienceworks.com.

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, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating virtual twin experiences of the real world with our **3D**EXPERIENCE platform and applications, our customers can redefine the creation, production, and life-cycle-management processes of their offer and thus have a meaningful impact to make the world more sustainable. The beauty of the Experience Economy is that it is a human-centered economy for the benefit of all—consumers, patients, and citizens. Dassault Systèmes brings value to more than 300,000 customers of all sizes, in all industries, in more than 150 countries. For more information, **visit www.3ds.com**.

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