

THE PATH TO GREATER
KNOWLEDGE REUSE

BENEFITS

USE CASES

EXPERIENCE THE
POWER

THE 3DEXPERIENCE PLATFORM

Greater Knowledge Reuse



THE PATH TO GREATER KNOWLEDGE REUSE

The ultimate goal of capturing and reusing knowledge and designs is to help organizations create better products, services, and experiences with fewer resources and effort. Acting as a single platform for all information, the **3DEXPERIENCE®** platform promotes knowledge sharing and encourages the reuse of past experiences and designs. This speeds up innovation and time to market, reduces risks associated new designs and nurtures excellence across all disciplines.

A Single, Integrated Platform for All Information

It starts with a single 3D environment for designers, engineers and other stakeholders both inside and outside an organization. Capturing and consolidating all information on a single platform lets teams build and make available a consistent representation of their innovations, products and services. This single platform facilitates sharing and reusing knowledge, such as past know-how, rules, standards and designs in other projects. The sharing of information across different teams contributes to improved operational efficiency and responsiveness toward market demands.

BENEFITS

Speed Up Innovation

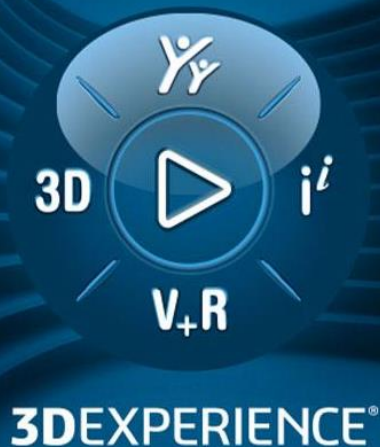
A single, centralized platform offers direct benefits to approach innovation. One of the most impactful is accelerated design cycles since parts and components created for a specific project may be reused many times in different projects. Another big advantage: Teams do not have to start from scratch when working on a new design. They can easily combine previously created components, which speeds up the creation of new products and services.

Identify Issues Early and Reduce Risk

In many industries, not delivering on time and to specifications is mitigated by costly penalty clauses in contracts. By reusing previous projects' knowledge that is centralized on the **3DEXPERIENCE** platform, organizations can compare a current build against past projects and find similarities to minimize the risk for some of the components or sub-systems. Potential issues are identified before they become costly problems at manufacturing time or even worse, after they are in the hands of customers.

Inspire Better Design and Prepare the Next Generation of Designers

Each design reflects a designer's individuality, experience and technical expertise. A unified knowledge base encourages designers and engineers to pool their expertise and share ideas more freely, as well as promote the reuse of past learnings and experiences. This leads to better products and services. Gathering and making available information on past projects such as design libraries, project templates and quality profiles promote the development of best practices. It helps young designers and engineers entering the workforce accelerate the acquisition of industry knowledge.





USE CASES

1. Reuse existing designs in new projects.

The 3DEXPERIENCE platform:

- Speeds up product development by creating a design database of 3D part designs for future projects.
- Accelerates the design cycle as components used in previous designs can be identified and reused in new projects.
- Helps keep costs under control as designers do not have to develop everything from scratch.
- Keeps track of design changes, helping to prevent late-stage errors and re-work.

2. Integrate diverse teams and share information company-wide.

The 3DEXPERIENCE platform:

- Acts as a single version of the truth capturing and unifying all information and activities in one centralized location.
- Provides a consistent, integrated architecture shared across all disciplines.
- Fosters design reuse among designers and engineers as knowledge is embedded in the end-to-end innovation process.



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3. Manage intellectual property and share information with all stakeholders.

The 3DEXPERIENCE platform:

- Improves business agility when approaching new projects as data management is centralized.
- Promotes design efficiency with design automation, enterprise templates, and component libraries.
- Gathers in one place knowledge and know-how on past projects for future use.
- Helps newest designers and engineers get up to speed on digital best practices.

4. Digitally connect design, engineering and manufacturing.

The 3DEXPERIENCE platform:

- Allows staff to analyze information within its complete context and develop projects right the first time.
- Helps identify issues and assess risk across all phases for each project.
- Allows everyone to see systems and objects in 3D and share ideas.



EXPERIENCE THE POWER

The **3DEXPERIENCE** platform offers you the opportunity to improve virtually every aspect of your business by giving you the power to fully innovate. Supporting collaboration across the organization, the platform offers a single easy-to-use interface that powers design, simulation and manufacturing in an engaging, interactive environment. The **3DEXPERIENCE** platform gives your enterprise the power of greater knowledge reuse.

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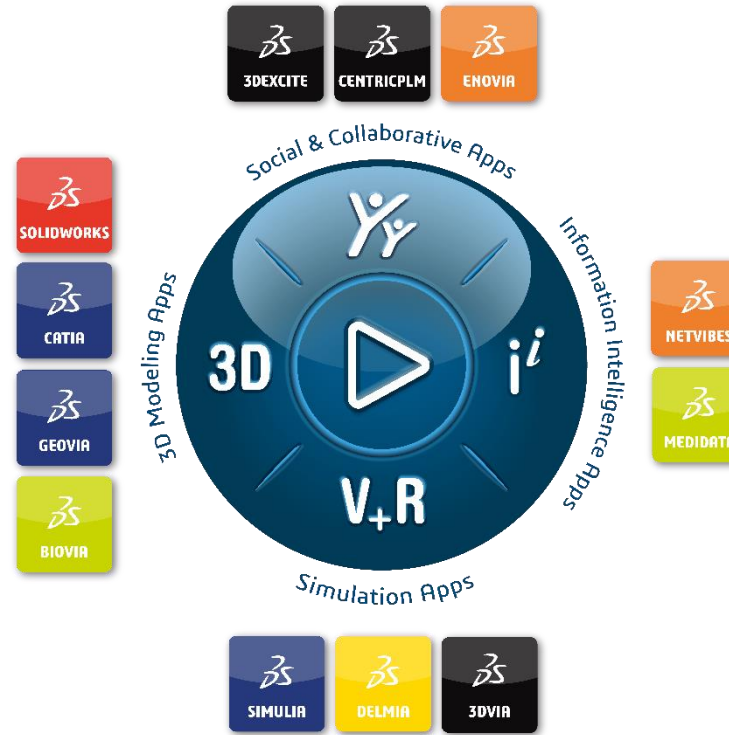
Learn how SOLIDWORKS users leverage the power of the **3DEXPERIENCE** platform today:

<https://www.3dexperienceworks.com/>

Our **3DEXPERIENCE**® platform powers our brand applications, serving 12 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.



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