SOLIDWORKS INDUSTRIAL DESIGNER

OBJECTIVE

SOLIDWORKS® Industrial Designer is a design and collaboration offering that augments the existing SOLIDWORKS family of solutions for users requiring the organic-looking shapes typical of industrial designs. Built on the Dassault Systèmes **3D**EXPERIENCE® platform, SOLIDWORKS Industrial Designer offers unique capabilities for the rapid creation, manipulation, and modification of designs. SOLIDWORKS Industrial Designer allows users to generate and manage multiple design concepts and improve productivity with quick "what-if" scenarios that can be socialized with all stakeholders.

SOLIDWORKS Industrial Designer delivers a truly collaborative design environment where users can connect their whole ecosystem—management, design team, customers, and suppliers—to a single, cloud-based, business and product development platform that is accessible at anytime, anywhere, and on any device.

OVERVIEW

Traditional parametric design tools are not well-suited to creating smooth, flowing, organic shapes. Industrial designers require specialized tools to meet this need. Also, modern workflows call for collaboration between stakeholders spread over time and space, resulting in longer design processes. SOLIDWORKS Industrial Designer is created to address these problems.

BENEFITS

- Single modeling environment allows much greater flexibility.
- Intuitive concept sketching capabilities enable fast and natural concept creation for iterative concept definition.
- 3D designs are evolved from 2D using effortless push-and-pull freeform Sub-D tools.
- Using the right 2D or 3D concept creation method at the right time without compromise enables faster and more flexible design.

- Freeform Sub-D modelling enables fast and easy complex shape and form creation.
- Traditional parametric solid and surfacing is also available when needed.
- Online database allows easy access for all members of the design team, ensuring that they always have the latest design data.
- Web-based collaboration tools allow everyone to review the live design data, add their comments, and create digital markups.
- Design review data is retained to help capture what was done and why.
- Direct editing tools allow users to modify imported models with much greater efficiency and to modify native parametric models without restrictions. History-based features **not** impacted by the changes are retained.
- Secure, cloud-based storage, and on-premises solutions address customers' data storage needs.
- Employees, customers, and vendors can access data from a single source with full device independence.
- High-quality rendering based on a best-in-class rendering engine.

CAPABILITIES

SOLIDWORKS Industrial Designer combines the technological strength and depth of the Dassault Systèmes **3D**EXPERIENCE platform with SOLIDWORKS' ease of use and productivity. SOLIDWORKS Industrial Designer complements the SOLIDWORKS CAD software, with its single modelling environment that makes industrial design flexible and instinctive. This broad-based collaborative framework accelerates the pace of design and reduces cost.

SOLIDWORKS Industrial Designer is built upon four pillars:

- **Conceptual:** Users develop and express design ideas the way they want, enabling them to present and sell them directly in a digital model.

- **Instinctive:** Design the way users think—capture concepts digitally, and develop solutions without constraints.

- **Social:** Use familiar social collaboration tools in an interactive environment to harness the collective intelligence and innovation of employees, customers, and vendors.

- **Connected:** Enhance collaboration with design iterations automatically saved in a single, common database. This keeps data safe, up-to-date, and accessible anytime, anywhere.

Powered by the Dassault Systèmes **3D**EXPERIENCE platform, SOLIDWORKS Industrial Designer provides a secure and structured environment for design team leaders, project managers and other professionals who want to manage data in the cloud and collaborate without constraints.

- **Secure:** Customer-controlled access, transparent cloud backup, and encrypted communication protocols ensure that data is always safe from loss.

- **Structured:** Zero-overhead data management. Users can store and manage data across collaborative spaces, share information in communities, and find indexed data faster by using tags and custom search.

SOLIDWORKS Industrial Designer requires the **3D**EXPERIENCE platform, an online-based, zero-overhead, transparent online data management and social innovation solution. The platform includes:

- 3DDashboard, an analytics and dashboarding app, allowing for personalization and sharing of multiple dashboards for each user, with an extensive and extensible widgets/apps catalog.

- 3DSwYm, a social and collaborative app, enabling enterprise-wide social collaboration via communities that can consist of internal and external audiences.

- 3DPlay, a 3D modelling app, allowing for immersive visualization and animation of data stored in the **3D**EXPERIENCE platform (does not include 3D modelling capabilities).

- 3DSearch, a powerful search capability allowing users to search through any metadata or files stored in the platform.

- 6WTags, an innovative results-filtering tool, is an innovation unique to the **3D**EXPERIENCE platform, that allows quick and intuitive navigation and filtering based on who, what, when, why, where, and how.

- 3DMessaging, an embedded instant-messaging tool. It allows users to chat and collaborate in an engineering or social context.

- 3DPassport, an easy way to safely sign-in, provides a Single Sign-On (SSO) to all applications that the user has access to—regardless of whether they are browser-based or native clients.

- 3DCompass, an access to all your apps, is an intuitive, compass-like interface providing easy-to-use navigation to the user's applications.

- 3DDrive, a place to store, sync, share and preview a user's CAD files and office documents. It is an easy-to-use application for storing, syncing, sharing, and previewing users' files. It also allows light design review and contains 25GB of online data storage per license.

- 3DSpace, a data management app enabling users to structure engineering collaboration via Collaborative Spaces while controlling third-party user access to the data.

- Collaborative IP Management, a product lifecycle management app enabling collaboration on shared data (with Collaborative Spaces). It enables creating, duplicating, deleting, exchanging, liking, and managing content.

- Collaborative Tasks, a tasks management app, enables you to easily organize, optimize, access, and execute users' work with simple, "one-step" task creation that can reference files or existing objects already available in the **3D**EXPERIENCE platform.

- Finders are dedicated search apps. Manufacturing, Simulation, Product, and Systems data can be easily found using these dedicated apps which provide dedicated navigation capabilities.

Contact Us

www.cati.com | 888-308-2284

COMPUTER AIDED
TECHNOLOGY

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, 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 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

3DEXPERIENCE®

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

Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes K.K.
ThinkPark Tower
2-1-1 Osaki, Shinagawa-ku,
Tokyo 141-6020
Japan