

# SOLIDWORKS INDUSTRIAL DESIGNER

## OBJECTIVE

SOLIDWORKS® Industrial Designer is a role on the Dassault Systèmes 3DEXPERIENCE® platform. The apps in the SOLIDWORKS Industrial Designer role allow users to create organic looking shapes typical of industrial design applications and collaborate with others on the 3DEXPERIENCE platform, using a collection of data management, collaboration and community apps.

The modeling apps in the SOLIDWORKS Industrial Designer role allows users to generate and manage multiple design concepts and improve productivity with quick “what-if” scenarios. The collaboration apps in the SOLIDWORKS Industrial Designer role can be leveraged to socialize ideas 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.

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## 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 evolved from 2D using push-and pull freeform Sub-D tools.
- Freeform Sub-D modelling to enable fast and easy complex shape and form creation.
- Traditional parametric solid and surfacing.
- Easy access for all members of the design team, ensuring that they always have the latest design data.

- Web-based collaboration tools for everyone to review the live design data, add their comments and create digital markups.
- Design review data retained to help capture what was done and why.
- Direct editing tools to 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 for customers’ data storage needs.
- Employees, customers and vendors access data from a single source.
- 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 3DEXPERIENCE platform with the SOLIDWORKS ease of use and productivity. This 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 **3DEXPERIENCE** 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 **3DEXPERIENCE** 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 **3DEXPERIENCE** 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 **3DEXPERIENCE** 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 **3DEXPERIENCE** 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.

## Our **3DEXPERIENCE®** platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE®** 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](http://www.3ds.com).

