SOLIDWORKS AND AUTOMATION

SOLIDWORKS ENHANCEMENTS THROUGH THE YEARS

For over a quarter of a century, **SOLIDWORKS**® has been committed to providing the best design solutions for designers and engineers. Since the beginning, every software enhancement was designed to do one thing: make life easier for users so they can focus on what they do best.

Here's a snapshot of how SOLIDWORKS design solutions have evolved over the years, and a glimpse at what the future holds thanks to AI, machine learning, and feedback from users like you.



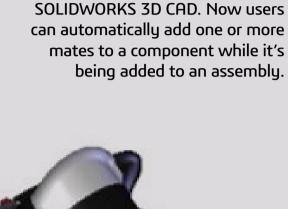
SOLIDWORKS begins an annual tradition of introducing massive enhancements. It started with in-context assembly modeling, dynamic assembly modeling, the ability to drag and drop parts between assemblies, and more.

SOLIDWORKS 95 hits the market. The familiar interface, built on Microsoft Windows, cuts software training time from three months to three days. From day one, **SOLIDWORKS 3D CAD** enhancements have been driven by user feedback.



1997

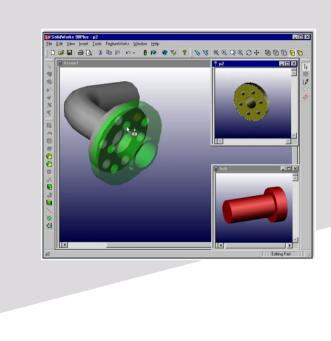




method—Smart Mates—is added to

A new, snappy mating



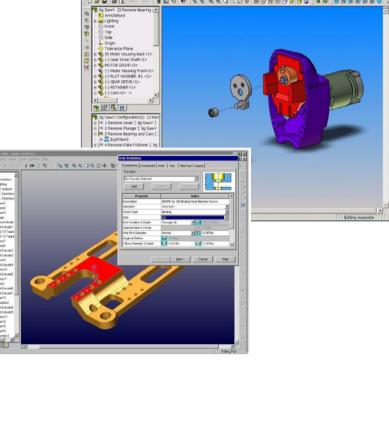


Hole Wizard, allowing users to create and customize various

2000

types of holes.

SOLIDWORKS introduces the



online directory of downloadable,

2002

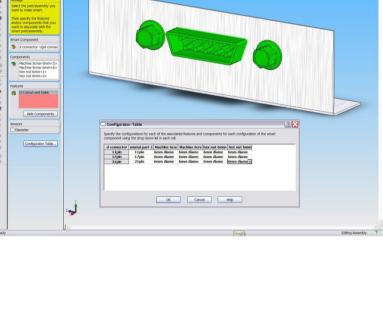
supplier-provided 3D CAD parts for SOLIDWORKS (and other CAD) users.

3D ContentCentral launches as a free



Smart Components brings associated

parts and features to components.



body manipulation, such as patterning and mirroring bodies, to all

Multi-Body Part Modeling debuts,

bringing the concept of

2003



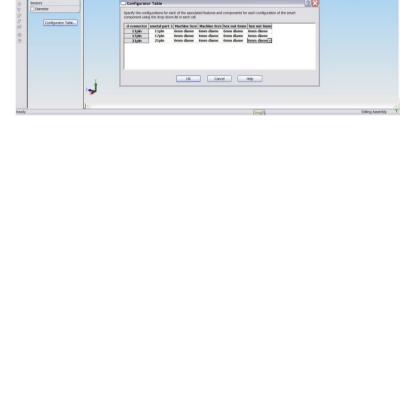


The Fully Defined Sketch tool provides the ability to calculate which dimensions and relations are required

sketch entities.

2007

to fully define sketches, or selected



2008

Hole Alignment makes

holes in an assembly.

sure holes are concentric across all components and help find misaligned

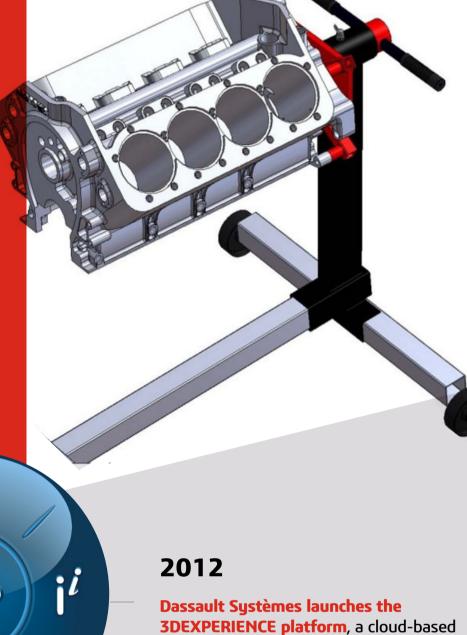
to 3D model geometry.

2009

2011

Direct Editing allows for

point and click adjustments



3D

Reviewing large

assemblies gets a big upgrade from Large **Design Review.**

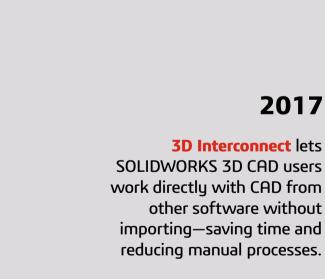


of their business activity and ecosystem.

business and innovation platform to provide organizations with a holistic, real-time vision

New UI speeds up the design process and emphasizes streamlined workflows between SOLIDWORKS products. 2015 **UI enhancements** saves users 20% of their time on mouse gestures and clicks.

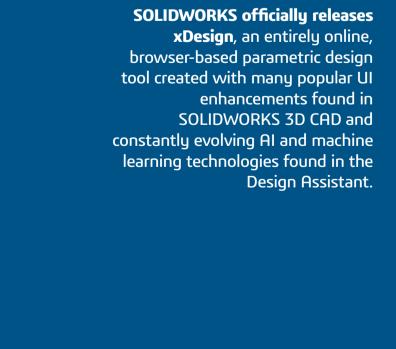




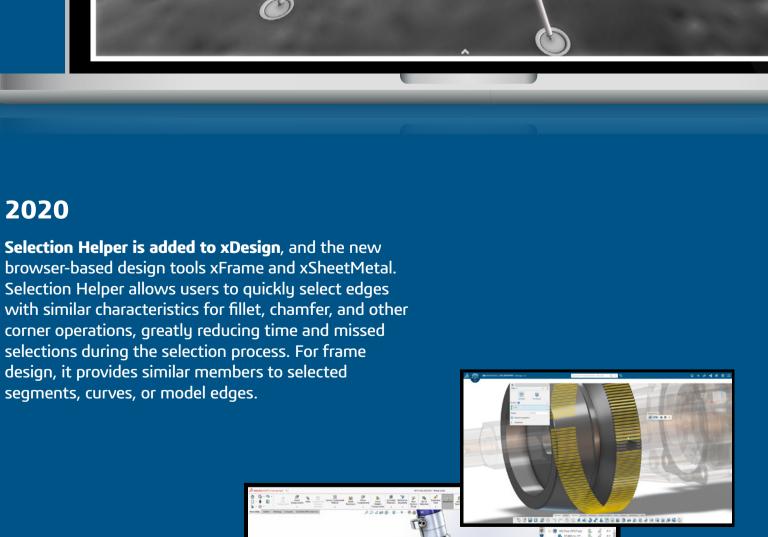


2016

Mate Controller enables manipulation of specific mates that control degrees of freedom for a design, making it much easier to align components.







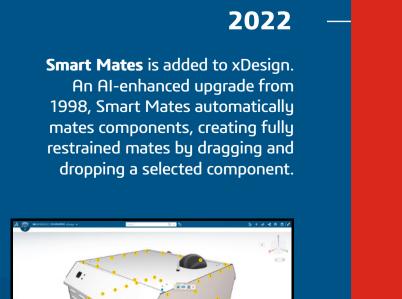
2020

SOLIDWORKS 3D CAD becomes fully

integrated into the **3D**EXPERIENCE

platform with the release of

3DEXPERIENCE SOLIDWORKS



Mate Helper is added to xDesign. It suggests similar locations to replicate selected

2021



AND BEYOND:

SOLIDWORKS and the 3DEXPERIENCE platform will continue to evolve. With new enhancements merging the UX and features users love with new AI and machine learning technologies, SOLIDWORKS design tools will continue to increase efficiencies and allow users the freedom to create however they choose.