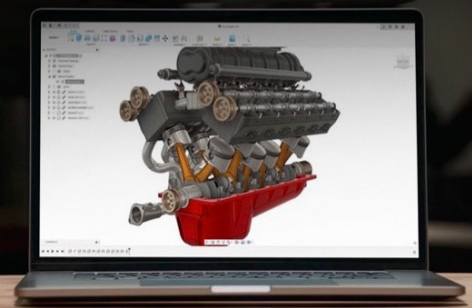




# Autodesk Fusion? Here's 5 Reasons Why...



Cloud capabilities are essential for the modern age of engineering. Companies continue to explore workplace flexibility for their employees as the market becomes increasingly competitive. As a result, having unrestricted access via the cloud is the best feasible option going forward.

Autodesk Fusion is a cloud-based tool that offers software integration in one cohesive environment, providing design unification and collaboration.

With one seamless tool, gain access to computer-aided design (CAD), computer-aided manufacturing (CAM), computer-aided engineering (CAE), and printed circuit board (PCB) software.

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**Here are five reasons why Autodesk Fusion  
should become your go-to solution.**

## ► **1. Manufacturing Convergence Tools and Extensions**



Manufacturing convergence is a recent phenomenon where industry lines become increasingly blurred. Specializing in one design field, like automotive manufacturing, is a concept of the past as software continues to evolve and redefine capabilities. Professional designers and engineers are looking for more efficient ways to design, build, and make without the limitations of aging software solutions.

The convergence of different markets is evident. Architects and builders invent new methods – like 3D printing with concrete – to make the construction process modular, repeatable, and efficient.

Autodesk Fusion has the tools to accommodate all industries. Prototyping is one of the most critical steps in the design process. Gain the ability to test a prototype for form, function, fit, and durability. For example, automotive designers can design and prototype a specialty part for the engine block and then pivot to designing a PCB for the dash display without leaving Autodesk Fusion.

## ► **2. Integrated ECAD in One Cohesive Environment**



ECAD is used to design and create electronic structures. Its counterpart, mechanical computer-aided design (MCAD), is used to design and develop mechanical systems. As we've seen, the automotive industry continues to implement more and more electronics and PCBs into their designs.

Autodesk Fusion enables seamless integration ECAD and MCAD. As products continue to become more lightweight and compact, plastic enclosures call for smaller electronic components.

When a plastic enclosure is modified, Autodesk Fusion will subsequently adjust parameters of the PCB within or related to that enclosure.

## ► **3. Design Tools for Complex Projects**



Autodesk Fusion enables going from sketch to a manufactured product faster and easier.

Customize your access to advanced tools and functionality with Autodesk Fusion extensions; flexible to meet your budget and timelines.

Gain access to complex design, machining, nesting, generative, simulation, additive manufacturing, and data management workflows.

## ► **4. Data Convergence Extensions**

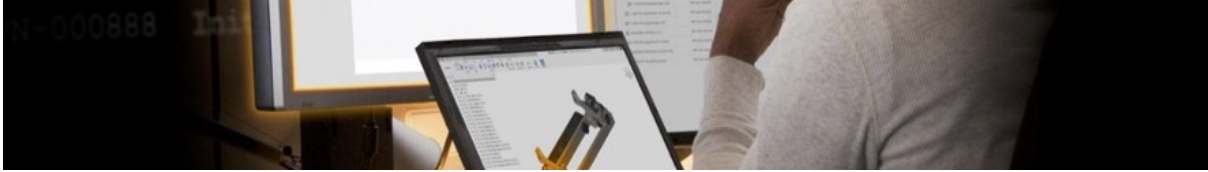


Within the last decade alone, manufacturing processes and correlating software have changed. Data convergence is when all data is stored in one location on the cloud for real-time access.

Autodesk Fusion is built around data convergence as a cloud CAD platform. Autodesk Fusion Manage Extension has a library of pre-built workflows to help manage change orders, item numbering, bill of materials, and other data from the beginning to the end of the project.

Part numbers are automatically assigned to each component. The Manage Extension is easy to navigate and has a similar structure to a typical desktop file organizer.

## ► 5. Cloud CAD



Autodesk Fusion is a cloud CAD platform, which is one of the most desirable features in today's work-from-anywhere business environment.

Cloud CAD is a term for cloud-based software solutions that operate in a local browser or through a web or mobile application via the Internet. Traditionally, CAD software had to be loaded on a localized computer.

Cloud CAD offers the same capabilities as traditional CAD software without being restricted to one desktop computer; especially beneficial for hybrid or remote work environments, where sharing information with a team through the cloud is preferred.

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**With manufacturing and data convergence, integrated ECAD, design tools, and cloud CAD in mind, what are you waiting for?**

**Download Autodesk Fusion today and start reimagining your workflows.**

**Download Autodesk Fusion**

<https://www.autodesk.com/products/fusion-360/trial-intake>