



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

*Trusted by 4.6 million design and manufacturing professionals. Find out why below.*

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.

**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.



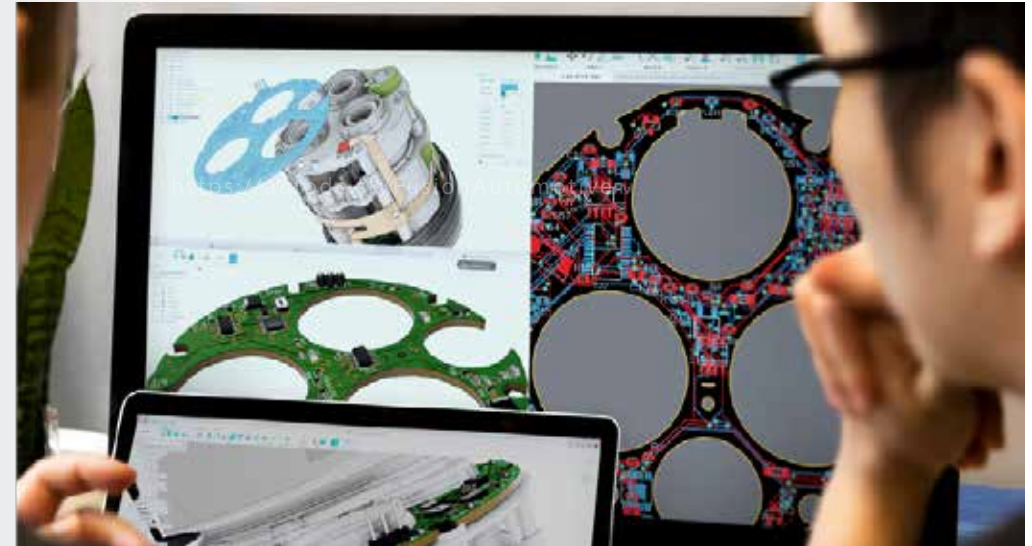
*“Collaborating on the cloud turned the chaos into organized chaos, Fusion enabled us to design, validate, build and get straight to the racetrack very quickly.”*

- BBI

The convergence of different markets is evident. For example, 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. You have 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.

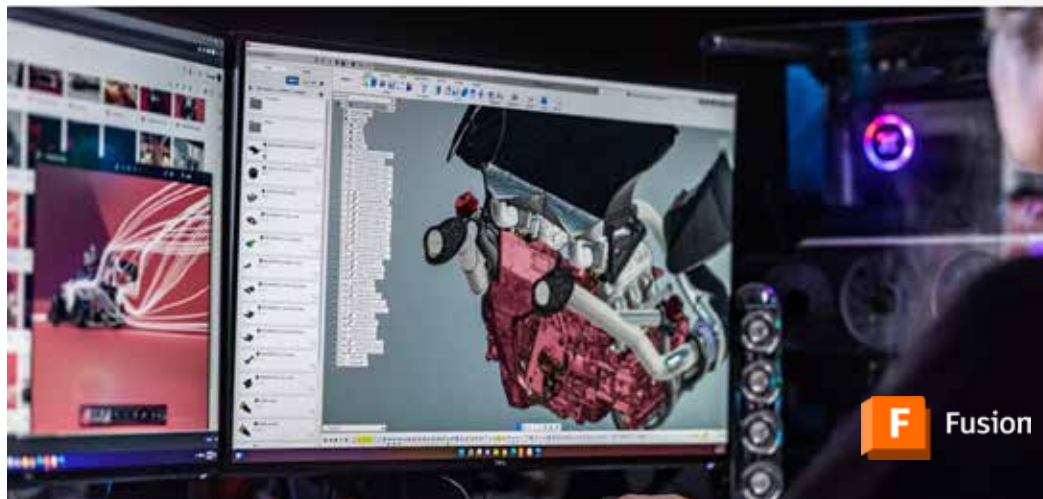
As a result, it's imperative that we all rely on a tool that seamlessly integrates **ECAD and MCAD**. Autodesk Fusion does just that. As products continue to become more lightweight and compact, plastic enclosures call for smaller electronic components.



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

### 3. Design Tools for Complex Projects

A significant advantage Autodesk Fusion has over its competition is its ability to take a design from sketch to a manufactured product. Fusion Extensions are a great way to unlock advanced features within Fusion to take your process to the next level.



No other tool on the market allows you to customize access to the tools, timeline and price point that meet your needs. Autodesk Fusion extensions grant access to complex [product design](#), [machining](#), [nesting](#), [generative](#), [simulation](#), [additive manufacturing](#), and [data management](#) workflows.

*“One of the main reasons we switched to Autodesk Fusion from SolidWorks was it meets a very nice balance between the cost per license and it's functionality.”*

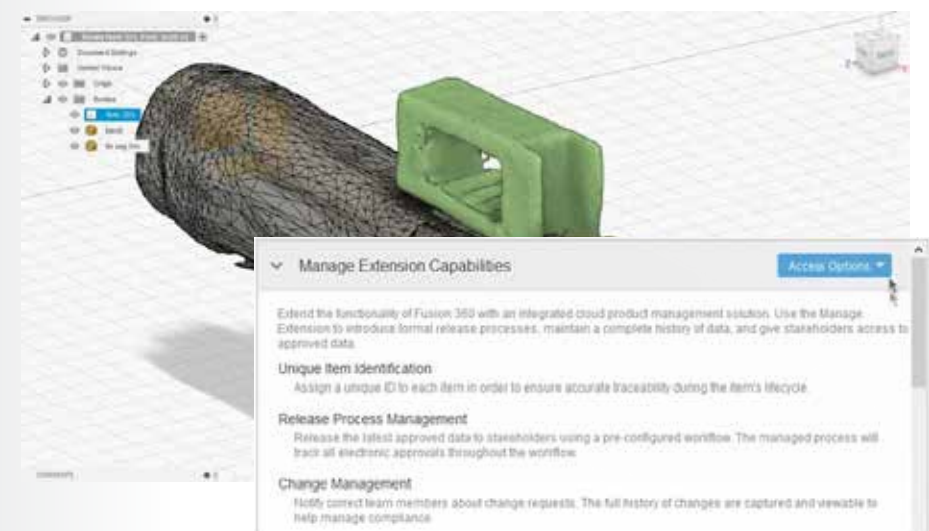
*- Ora Graphene Audio*

### 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. More specifically, the 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. Get started by learning more [here](#).



## 5. Cloud CAD

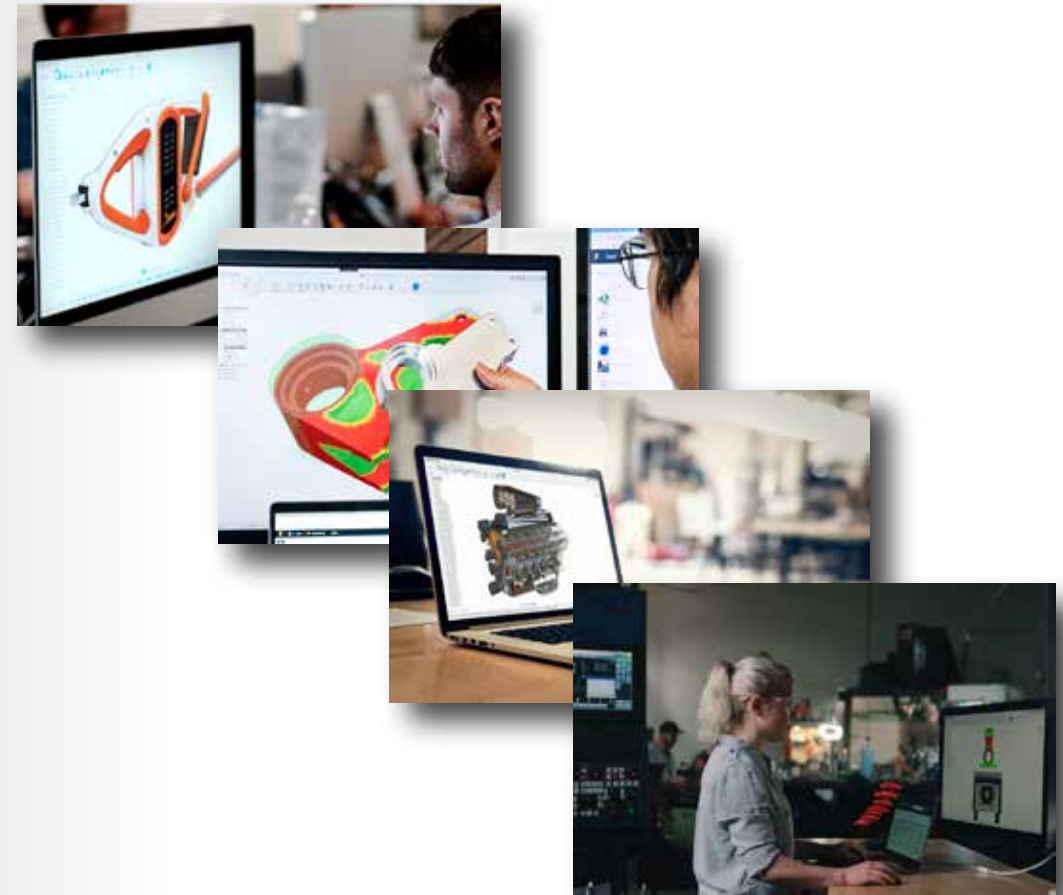
Autodesk Fusion is a cloud CAD platform, which is one of the most desirable features in today's work-from-anywhere business environment.

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. This type of software is especially beneficial for hybrid or remote work environments, where sharing information with a team through the cloud is preferred.

With manufacturing and data convergence, integrated ECAD, design tools, and cloud CAD in mind, what are you waiting for? [Download Autodesk Fusion today](#) to unlock its full potential and redefine what it means to be an industrial designer.



**Where else can you get all this value?**

[Try Autodesk Fusion for 30 days today.](#)