AUTODESK

Three ways to speed up product development with multi-CAD cloud PLM

Bring data, people, and processes together across your organization and supply chain.

Connecting your data

When designing a physical product, dealing with suppliers is a must. But there can be many of them, each with their own CAD (computer-aided design) software. Working with different software, translating data, and relying on outdated communication processes can lead to confusion, data loss, and delays.

Autodesk provides a cloud-based Product Data Management (PDM) and Product Lifecycle Management (PLM) system—all in one.

With multi-CAD integration, you can leverage native workflows with every major CAD system, and work through open APIs with the rest. Autodesk PLM can consolidate data from all the CAD systems you and your suppliers use to turn it into a central source of truth. Plus, it can automatically generate your Bill of Materials (BOM), compiling data from all your CAD systems.

Three ways multi-CAD PLM accelerates product development

01 Improving team productivity

02 Powering dynamic decisions

03 Enabling supply chain agility

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01. Improving team productivity

Better team productivity through access to a central source of truth, regardless of CAD systems.

Reduce time wastage
Inefficient data management is one of the most common ways companies can waste time and resources. Most commonly, finding the right information when you need it is the greatest hurdle to clear. Using Autodesk PLM gives everyone more time to spend on high value tasks with centralized data management and workflow automation speeding up each phase of product development.

Keep the tools you know
Companies need a solution that fits seamlessly into workflows and integrates PDM into its processes, regardless of CAD software. Autodesk PLM offers a new degree of integration with dedicated connections to Inventor, AutoCAD, Creo, Siemens, Altium, SolidWorks, Catia, and many more. Plus, with Microsoft Office integrations, you can keep supporting documentation at hand and work with a familiar interface to accelerate team-wide adoption.

Break down design silos
More and more, companies are working with extended teams
across the globe. But dispersed design teams can be limited by
local capacity and skillsets—trapping ideas, insights, and expertise
in disconnected silos. Autodesk PLM allows you to skip manual
translation procedures and remove "middle-man" services, bringing
all of your CAD data into one unified system while reducing data loss.

Cloud vs. On-site
Cloud-based solutions like Autodesk PLM are accessed by
subscriptions. But on-premises solutions have additional costs
hidden behind maintenance, support, significant upgrades, and patch
releases. Plus, malware intrusions can take down entire organizations
by compromising their operational capability.

One central source of truth
Build a Bill of Materials (BOM) as you design within your CAD tool.
Before, spreadsheets needed to be merged, and data needed to be
exported from one place to the next. Now, you don't even have to
leave your CAD tool. With Autodesk PLM, parts created in different
CAD tools can be collected and collated in a single system and
consolidated into a single BOM.

02. Powering dynamic decisions

Enable faster and better decisions by promoting early, cross-functional collaboration in the cloud.

Fix mistakes sooner

Product characteristics are locked in early in development. But the cost to change them increases exponentially over their lifecycle, rising to 1000 times the original cost. Late changes can even impact product performance, quality, and delivery dates. Engineering departments that operate in silos can progress projects only to find out from other specialists that they must be reworked—leading to higher costs.
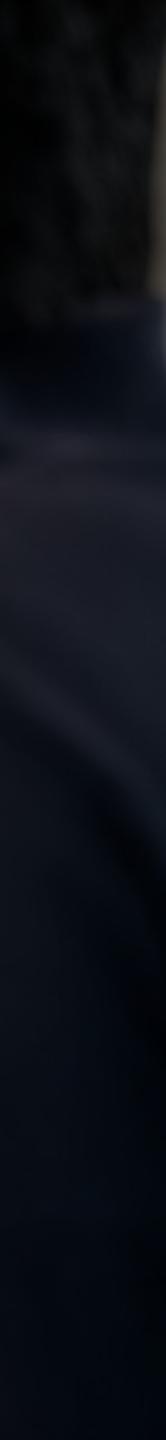
However, when you share your data in real-time with stakeholders, you can improve decision-making throughout the product lifecycle. Bringing relevant stakeholders to the design process early on can lower cumulative change costs and reduce launch delays, scrap, and repair & warranty risks.

Supercharge collaboration

Autodesk PLM allows you to track what costs and materials change when designs are altered automatically. Give collaborators an efficient way to communicate changes or decisions via cloud-based designs. And provide sourcing specialists with the ability to use automated comparisons when creating a BOM so they can make decisions with a complete picture of projects.

03. Enabling supply chain agility

Reduce business disruptions by becoming highly responsive to your supply chain.

Identify your supplier
Suppliers can be more than material suppliers; they are anyone who is in your extended ecosystem—from customers and outsourced engineers to partners. In essence, anyone who would benefit from secure access to your data.

Overcome supply challenges
With more suppliers, you'll need even more external collaboration agility. According to Tech Clarity, an industry analyst, one-third of leading manufacturing firms have increased the number of collaborating contract manufacturers. 56% of those leading manufacturers have seen an increase in globalization—meaning they work with international suppliers.

Offer greater control
Autodesk PLM has a supplier portal that enables users to identify and select designs, streamlining the process to create quotes or bids. Suppliers get unique links to inspect and learn from full 2D or 3D files to understand their orders better. This makes communication easier and faster, expanding project visibility to enable a timely feedback loop from outside stakeholders.

Experience a faster way to collaborate

○ Autodesk PLM gets the right data to the right people at the right time, with a central source of product data and streamlined workflows.

○ Its familiar interface enables uncomplicated data transparency for viewing and tracking project information.

○ With secure and granular access to data, you can ensure a timely feedback loop from stakeholders.

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Hear from the experts first-hand

Learn more about Autodesk PLM by watching the webinar.

WATCH NOW

Get Started

Start experiencing the benefits of cloud PLM
and faster product development today.

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