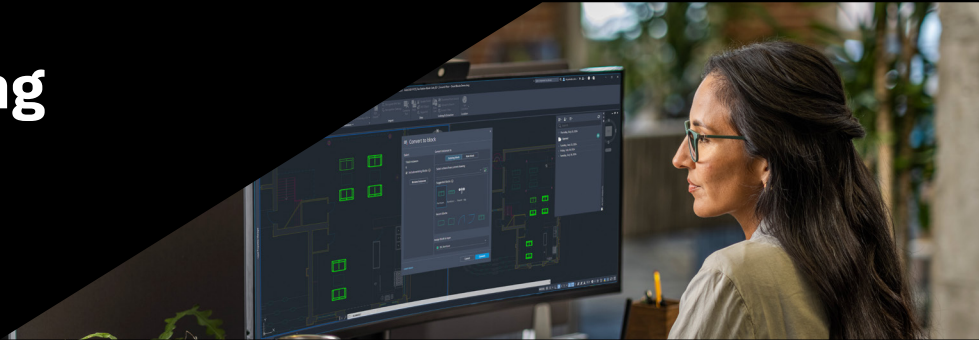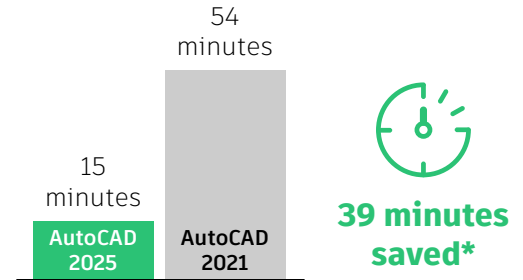# AUTODESK

The benefits of using AutoCAD® 2025 vs. AutoCAD® 2021

Productivity study highlights

Study summary

Designed by Autodesk and commissioned to an independent consultant, this study explores common tasks required when preparing designs and documents in AutoCAD 2021 and the subsequent productivity gains by using AutoCAD 2025—which provided an **average productivity gain of up to 72%** for six key collaboration tasks*—representing an overall time savings of 39 minutes for this study.

54 minutes

15 minutes

| AutoCAD 2025 | AutoCAD 2021 |

39 minutes saved*

Six ways AutoCAD 2025 saves you time

1 Hatch

*Hatching along a path can be up to **69% faster**.*

With the improved HATCH command, the new Path functionality removes the need to draft additional objects to define enclosed boundaries to get a hatch pattern to follow a path. This also removes any necessary remedial action, such as turning off or freezing layers to hide these objects from the final output—saving valuable drafting time and provides flexibility to use Hatch to create highlights that improve readability in your drawings.

2 Smart Blocks: Placement and Replacement

*Placing and replacing blocks can be up to **67% faster**.*

With the Smart Blocks: Placement and Smart Blocks: Replacement (BREPLACE) features, you can save time when working with blocks. Smart Blocks: Placement automatically scales and rotates a block when inserting it into a drawing. Smart Blocks: Replacement helps you quickly swap a block in your drawing with either a recently used block or a similar block that Autodesk AI finds in your library.

3 Count

*Counting blocks can be up to **70% faster**.*

With the COUNT command, you can quickly count and create AutoCAD tables with fewer steps when compared to the DATAEXTRACTION command. With COUNT, you can count all objects in your DWG, or specify an area within the drawing.

4 Smart Blocks: Search and Convert

*Searching and converting objects into block instances can be up to **93% faster**.*

The new BCONVERT command can significantly save time when locating unblocked geometry to convert into new blocks—removing the manual, time-consuming process of searching for and converting blocks individually. With the help of Autodesk AI, this workflow also suggests converting these unblocked objects into similar blocks that already exist in your library, further expediting the block cleanup process.

5 Markup Import and Markup Assist

*Incorporating markups in a DWG file can be up to **58% faster**.*

With the Markup Import and Markup Assist feature you can easily import, rotate, and scale raster images or scanned PDFs to suit the host DWG file—then allowing you to quickly convert annotations to AutoCAD text objects using machine learning.

6 Trace

*Collaborating on design changes in a DWG file can be up to **64% faster**.*

With the Trace functionality, you can collaborate directly on DWG files saved on cloud-based locations to create markups. Trace provides a safe space to add changes to a drawing without altering the existing drawing. Each collaborator can create traces in the AutoCAD web and mobile apps, then share the drawing with collaborators to view in the AutoCAD desktop, web, and mobile apps.

Start saving time today, sign into your Autodesk account to download the latest version of AutoCAD. Visit the download support page for more details.