AUTODESK

The benefits of using the Map 3D toolset in AutoCAD
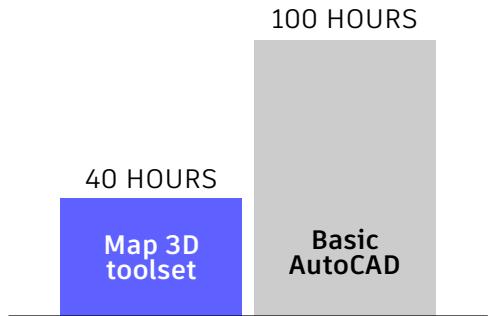
Productivity study highlights

The Map 3D toolset helps save time and increase productivity for common mapping design tasks in AutoCAD®.

Study summary

Autodesk commissioned a study that compared basic AutoCAD to the Map 3D toolset when performing common mapping design challenges.

Results showed that the Map 3D toolset provided up to **60% overall productivity gain*** compared with basic AutoCAD, when these tasks were performed by an experienced AutoCAD user.

60% overall productivity gain*

100 HOURS

40 HOURS

Map 3D toolset

Basic AutoCAD

How the Map 3D toolset saves time

1 Interface & workspaces
Time savings with the Map 3D toolset **up to 83%**
Users can select one of three specific, built-in mapping/GIS workspaces during installation: Planning and Analysis Workspace, Maintenance Workspace, or 2D Drafting Workspace.

2 Creating & editing coordinate geometry
Time savings with the Map 3D toolset **up to 62%**
Provides coordinate geometry commands that can use bearings, azimuth, and deflection, combined with distances, create geometry and parcels in your mapping/GIS drawings.

3 Object data
Time savings with the Map 3D toolset **up to 37%**
Link database data to block attributes in a mapping/GIS environment to display up-to-date information. Map Explorer tab provides a full visual breakdown of the database and the tables linked to the drawing.

4 Importing & exporting
Time savings with the Map 3D toolset **up to 79%**
Using the MAPIMPORT command, many hours of work may be saved by being able to use the ESRI® ArcView™ ShapeFile in its native format.

5 Enhanced data exchange
Time savings with the Map 3D toolset **up to 45%**
Any mapping/GIS drawings include objects created with the FDO features stylization engine. The Map 3D toolset converts to DWG file format with FDO features stylization.

6 Source drawings & coordinate systems
Time savings with the Map 3D toolset **up to 58%**
Drive aliasing allows for direct server connection to source drawings and coordinate systems.

7 Styling FDO Features
Time savings with the Map 3D toolset **up to 77%**
Map 3D toolset provides extensive FDO feature editing tools. Necessary information for stylizing can be found usingAutodesk SDF source files.

8 Plotting maps
Time savings with the Map 3D toolset **up to 44%**
Provides ability to place a legend, north point, and a scale relative to your mapping and GIS information in the drawing.

AutoCAD includes access to all AutoCAD vertical industry functionality as specialized toolsets. Take your work with you with the AutoCAD mobile app and the AutoCAD web app.