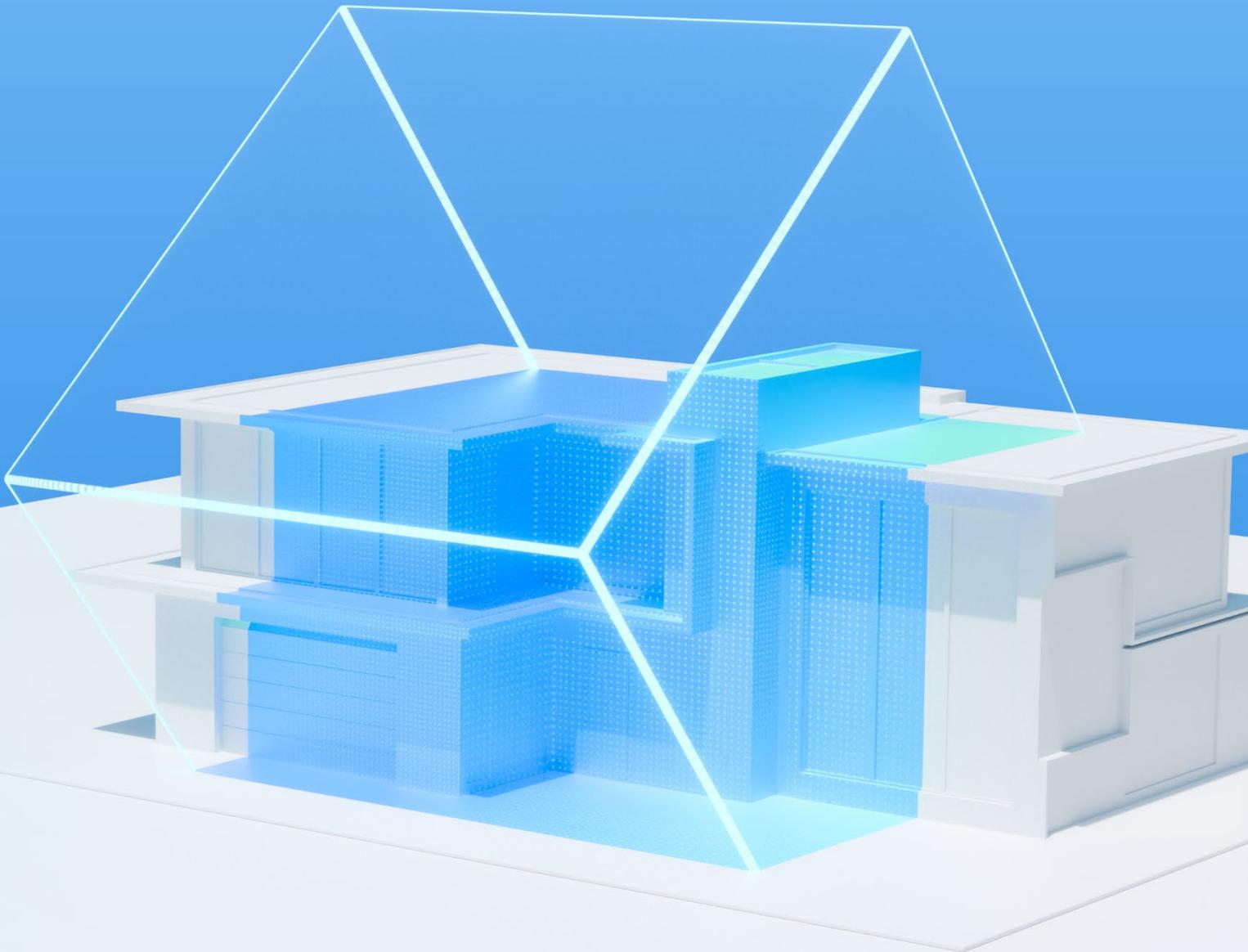




Complete Features Guide

GstarCAD Point Cloud 2026



GstarCAD Point Cloud 2026 Content

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GstarCAD Point Cloud 2026

Complete Guide

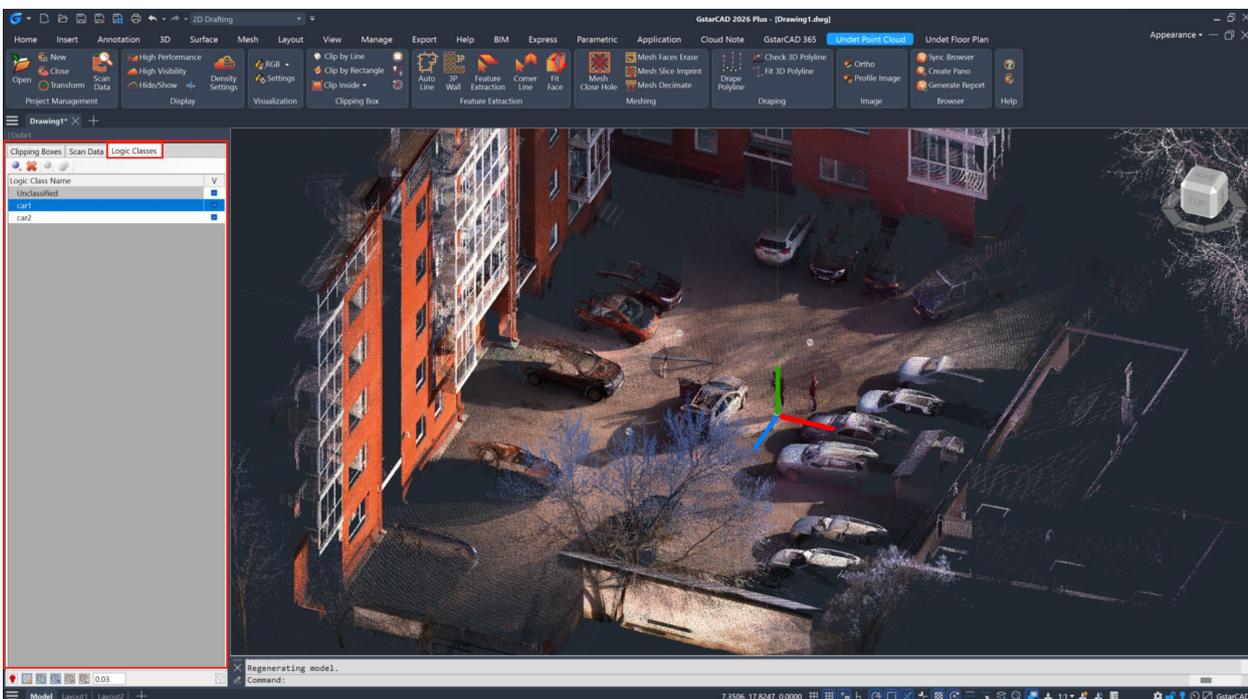
GstarCAD Point Cloud 2026 introduces powerful new tools to streamline point cloud classification, drafting, scaling, and visualization. With improved logic-based organization, more flexible wall creation, unit scaling, and enhanced density controls, users can work more efficiently and accurately with complex scan data.

1. Scan data toolbox | Logic Classes

You can create, edit and assign Logic Classes into different groups, classify View Sections or parts of View Sections by Logic Classes.

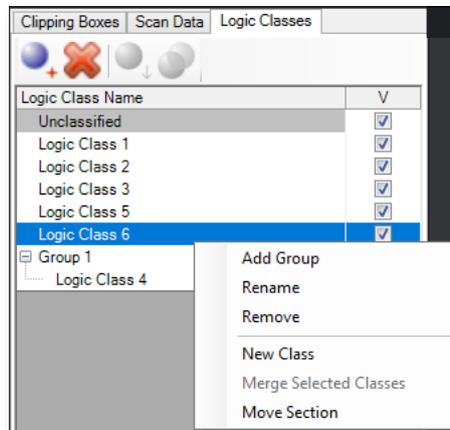
Usually if your project is created from terrestrial laser scanner data, it will not have any logical classes created. But if your project is created with mobile or LiDAR scanners, it might have Logical Classes classified.

GstarCAD Point Cloud 2026 will recognize them and you will be able to manage them directly from Logical Classes tab.



	[Add Class] – Creates new empty Logic Class
	[Remove] – Removes selected Group from the List. Program removes only Group, but not Data Files, assigned to it. After deleting Group, Data Files remain in the List.
	[Classify] – Moves active View Section points to defined Logic Class. You can create new Logic Class or choose existing one from the launched dialog list.
	[Merge] – Merges selected Logic Classes to the first Class of selected items. Select several Logic Classes with <i>Shift</i> button and merge them into one Logic Class.

- Right-click menu



Add Group	Creates a new group or merges selected Logical Classes to new group. Quick tip: You can select multiple files at once by holding Ctrl or Shift button.
Rename	Rename any Logic Class in the List

Remove	Removes selected Group from the List. Program removes only Group, but not Data Files, assigned to it. After deleting Group, Data Files remain in the List.
New Class	Creates new empty Logic Class
Merge Selected Classes	Merges selected Logic Classes to the first Class of selected items. Select several Logic Classes with <i>Shift</i> button and merge them into one Logic Class.
Move Section	Moves and changes selected record position inside the Group on the Logical Classes List.

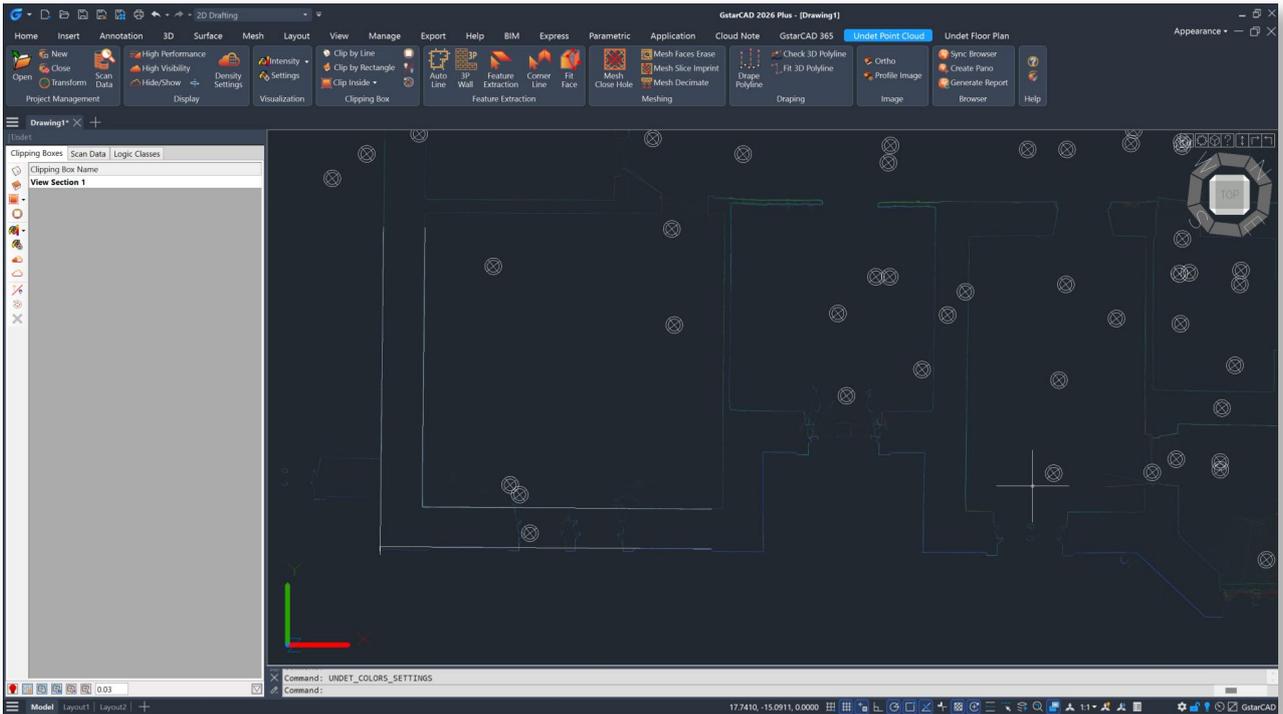
Logic Classes List shows and helps to manage all created Logic Classes.

- To create New Class in the List, right click on any created Logic Class and choose **New Class** command from the context menu.
- To move Active View Section or cropped part of Active View Section to specified Logic Class, right click on selected Logic Class and choose **Classify** command from the context menu.
- To assign created Logic Classes into Group, select Classes you want to assign (use Shift or Ctrl buttons to select multiple Classes) and choose **Add Group** command from the context menu.
- To rename any Logic Class in the List, double click on its name or right click on it, choose **Rename** command from the context menu and type the new name.
- To remove any Logic Class from the List, right click on it and choose **Remove** command from the context menu.
- Check Tick-Mark in **V** column next to corresponding Logic Class's name if you want this Class to be visible in the drawing.

2. 3P Wall

Go to Undet Point Cloud Tab ► Feature Extraction and find the new 3P Wall tool, which allows users to create walls using three points: two points define the length, and the third point sets the width.

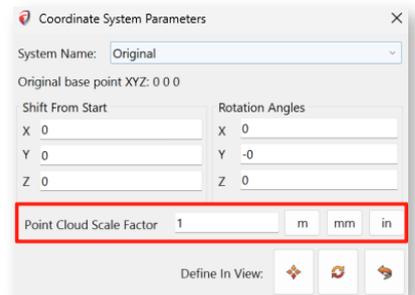
In the command line, users can choose between **Single** mode to draw individual walls or **Chain** mode to create a series of connected walls seamlessly.



3. Point Cloud Scale Factor

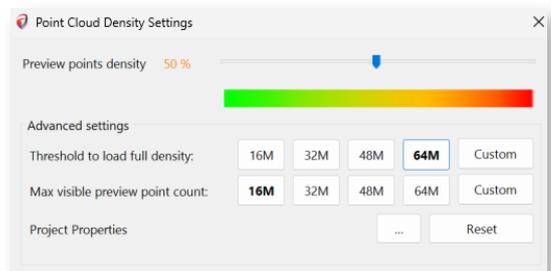
The Point Cloud Scale function is designed to adjust the unit scale of point clouds, such as converting measurements between inches, millimeters, meters, or other units. This is particularly useful when the point cloud data and the drawing use different units of measurement.

This tool is essential for users who work with point cloud data in different measurement units, ensuring consistent and accurate scaling within the GstarCAD environment.



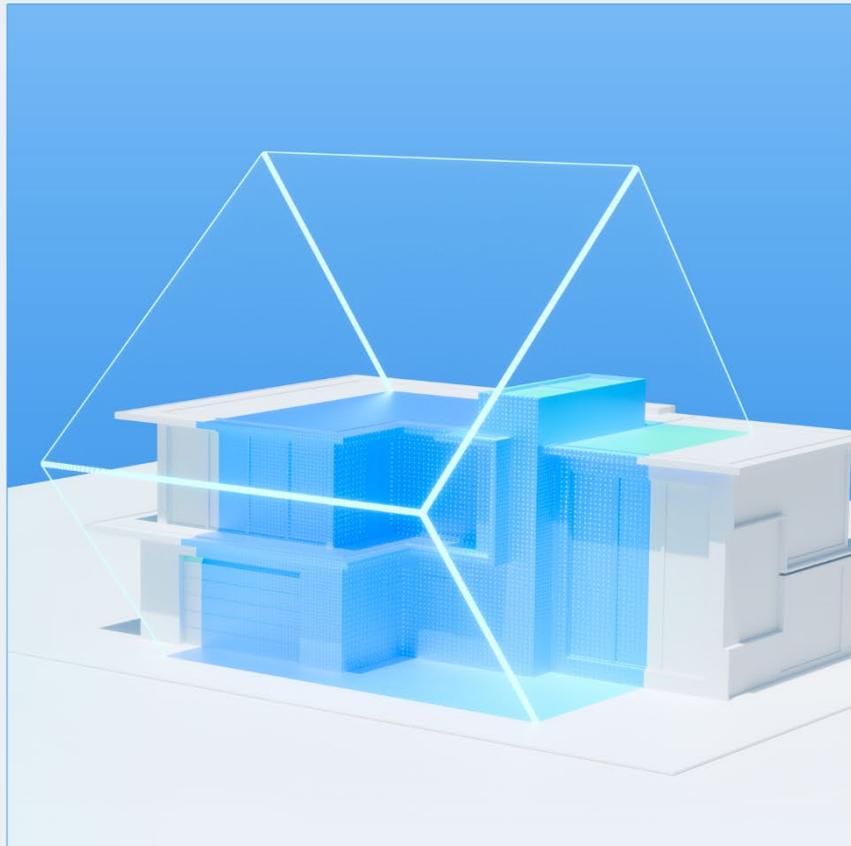
4. Density Settings Control Buttons

Control buttons are now available for quickly adjusting “Threshold to load full density” and “Max visible point count”.





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