GstarCAD 2025
Elevating Performance, Empowering Design

What is GstarCAD

GstarCAD is well-known alternative CAD software of high compatibility with ACAD. With over 20 years of continuous improvement and lean innovation, today GstarCAD is far ahead in performance, stability and other key indicators and becomes leading CAD software in the world.

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drives your success

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CATALOGUE

Profile

GstarCAD 2025
Elevating Performance, Empowering Design

GstarCAD 2025 elevates performance to a new level with **Hardware Acceleration** and other improvements, significantly enhancing the design experience.

Exciting new features include **Parametric Constraints, BIM Data Editing, and Voice Annotation, etc.,** which further enrich functionality. Moreover, compatibility has been expanded with the addition of **Python** support, empowering more robust customization and automation. Without further ado, let's explore these exciting updates!

Advantages

Better Performance

With advanced technology and optimized algorithms, GstarCAD ensures you faster processing speed. Our efficient multi-core processing provides smoother handling of complex drawings, reducing lag and enhancing user experience. With newly added Hardware Acceleration, the performance of GstarCAD 2025 is even more extraordinary.

Perfect Compatibility

GstarCAD delivers high compatibility with ACAD and provides robust APIs. The seamless data format, familiar interface, command structure and user operating habit ensure easy transition. The powerful APIs, including Python support this year, allow for extensive customization and automation, empowering you to tailor the software to your specific needs.

Innovative Tools

Other than a comprehensive set of commands that you need, GstarCAD also offers over 100 unique and innovative tools like "AreaTable" , "Auto Layer" , "Viewport to Layout" , "AutoxIstable" . They are adopted to significantly speed up your drafting speed.

Flexible Licensing

GstarCAD licensing policy is flexible and simple. We provide both perpetual license and subscription. You are free to choose the license mode and you decide whenever you want to upgrade.

	Stand-alone License-key Serial number	Stand-alone USB-key Dongle	Network License-key Serial number	Network USB-key Dongle
Perpetual license	√	√	√	√
Rental license	√	✗	√	✗
License borrowing	✗	✗	√	✗
Connection to license server	✗	✗	√	√

What's new in GstarCAD 2025

GstarCAD 2025 brings enhanced performance, optimized features, new additions, and expanded compatibility. Let's take a look!

Improvements

Performance

GstarCAD 2025 introduces an incremental save mechanism, boosting SAVEAS speed by over 30% and QSAVE by more than three times. File reading, display, and software initialization are optimized, improving average drawing opening speed by over 25%. TRIM and EXTEND performance on complex drawings improved by 69%, and HATCH display precision is also enhanced, eliminating excess lines in gradient and transparent hatch, ensuring a more efficient workflow.

DIM

To create various types of dimensions, you no longer need to switch between different commands. Simply execute the DIM command, hover your mouse cursor over objects to see a dimension preview, click to confirm, and place the dimension. This streamlines the annotation process and enhances efficiency.

3D Model Import & Export

On the basis of IFC Import, you can now export IFC files and import RVT files with complete BIM data, and STEP/IGES module will be included in GstarCAD installer, you don't need to install it separately.
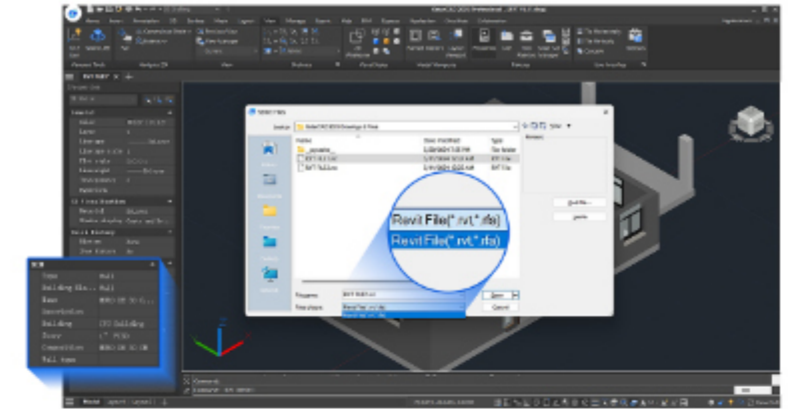
File & Layout Tab Bar

The File Tab Bar and Layout Tab Bar in GstarCAD 2025 have been updated with new appearances. Adding "New" and "List" buttons, now you can create, open, switch drawings/layouts directly from the tab bar, making operations more convenient and efficient. Additionally, indicators for "Read Only" or "Modified" files have been added too to provide clearer status visibility.
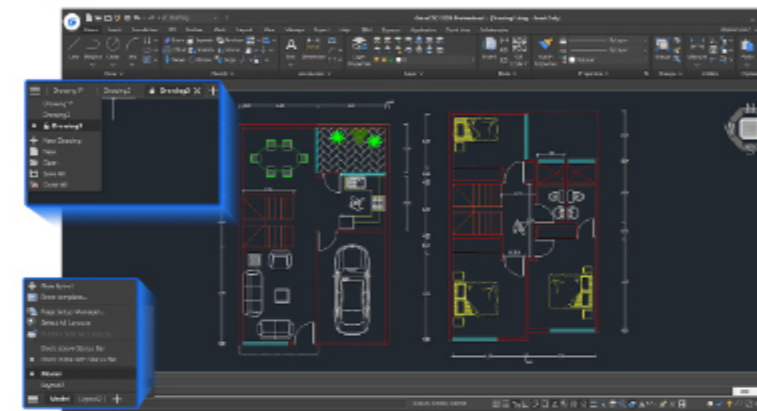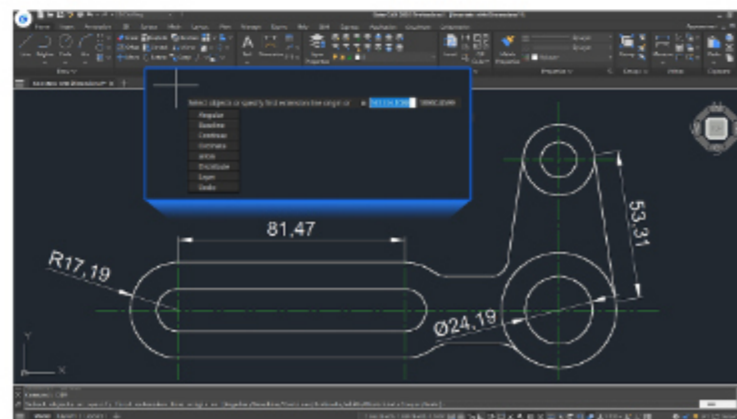
Lasso Selection

Lasso selection allows you to create an irregularly shaped window or crossing selection set, which is beneficial when selecting objects in complex drawings. Window Selection has also been optimized by adding Fence, Window Polygon and Crossing Polygon options.
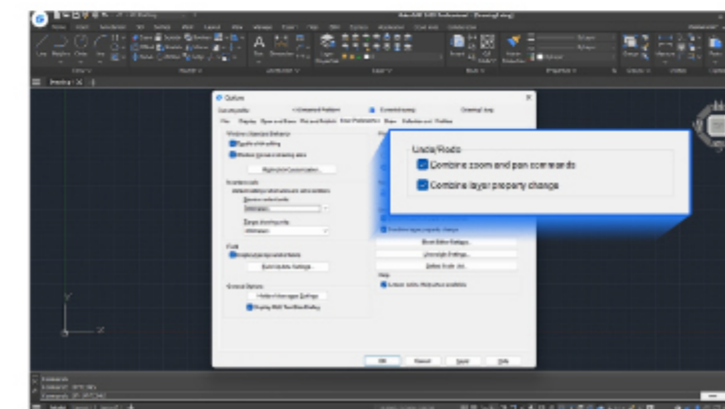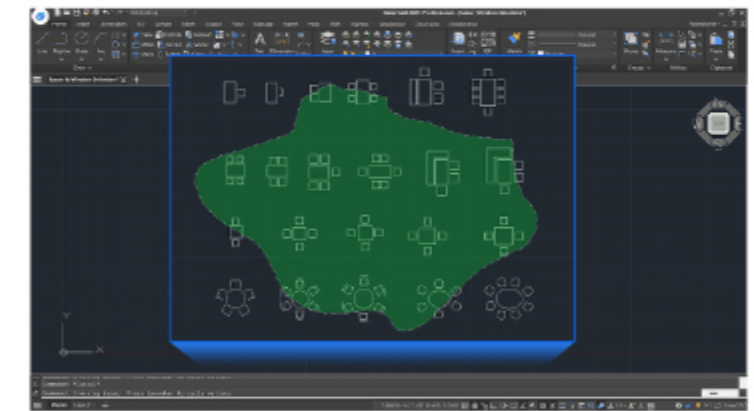
Undo

In GstarCAD 2025, continuous zooming, panning, and layer-related operations can be undone in one step, streamlining the workflow and reducing repetitive actions.
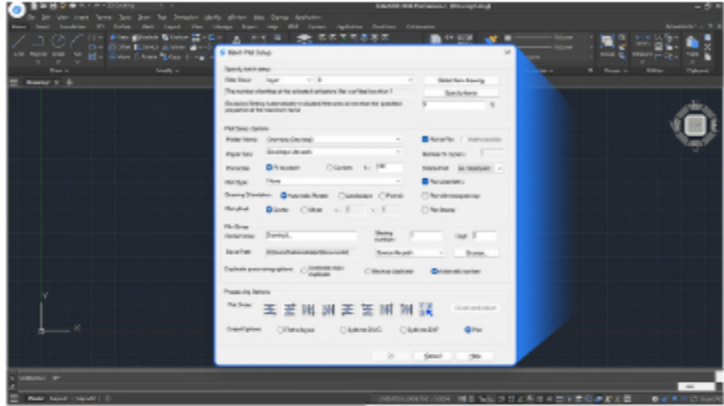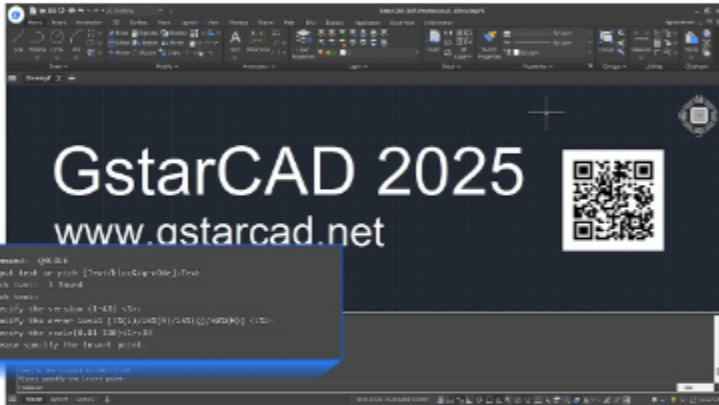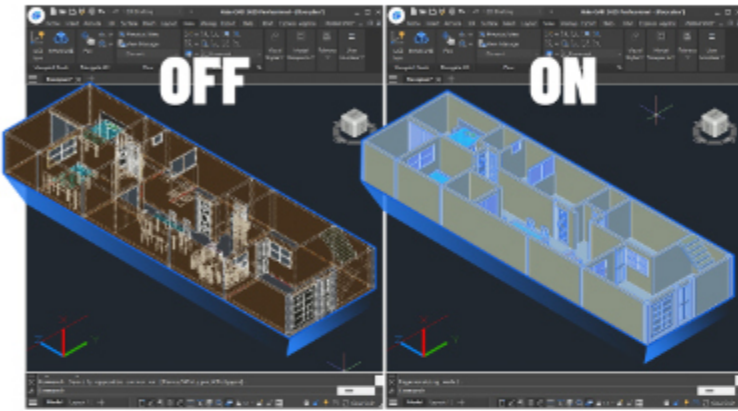
Batch Plot

The Batch Plot feature in GstarCAD 2025 has made comprehensive improvements based on user feedback to support a wider range of scenarios. There are 11 major updates, covering Specify Batch Setup, Plot Setup Options, File Setup and Processing Options, ensuring a more efficient and flexible plotting experience.

QR Code

The QRCODE command now supports command line mode -QRCODE, facilitating the creation of QR codes via scripts or programs.

PASTESPEC

After copying data from an Excel worksheet to the clipboard, use the PASTESPEC command and select 'Paste Link' to paste the Excel data as 'DWG Entities'. After insertion, you can modify the table. Additionally, a data link will be automatically created, and you can update this link using the DATALINKUPDATE command.

License Manager

GstarCAD 2025 introduces key updates to enhance licensing management and security, such as: subscription notifications before expiration, real-time online user number display for the GstarCAD Network License Manager, and the upgrade of the USB standalone dongle from Living Dongle to the Moway Dongle.

Hardware Acceleration

GstarCAD 2025 now includes Hardware Acceleration, which uses the powerful graphics processing capabilities of the GPU to help the CPU handle tasks more efficiently. This update greatly improves the quality of graphic display and speeds up your work, enhancing the overall performance of the software.
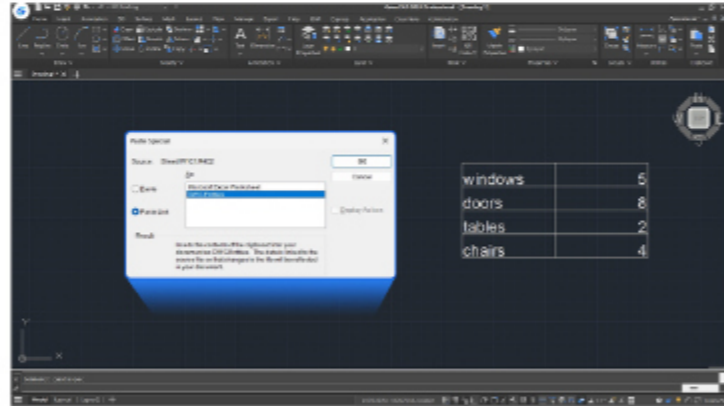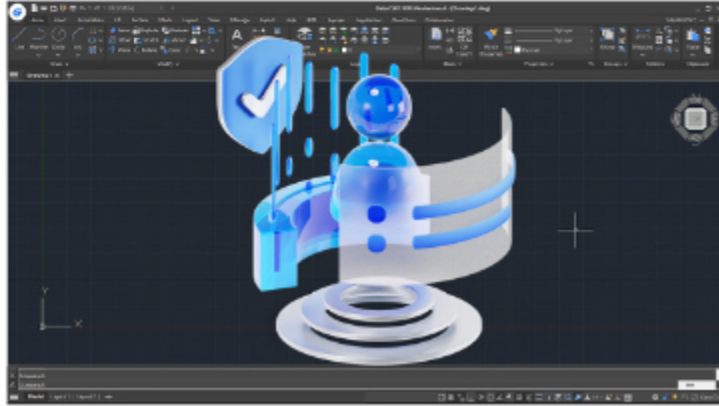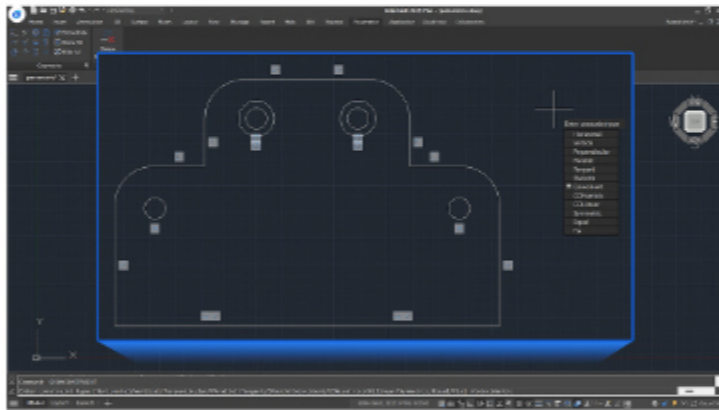

Parametric Constraints

GstarCAD 2025 introduces Parametric Constraints, focusing exclusively on geometric constraints this year. Geometric constraints manage how objects relate to others, enabling automatic adjustments to other objects when changes are made. They also restrict changes to distance and angle values, ensuring design precision.
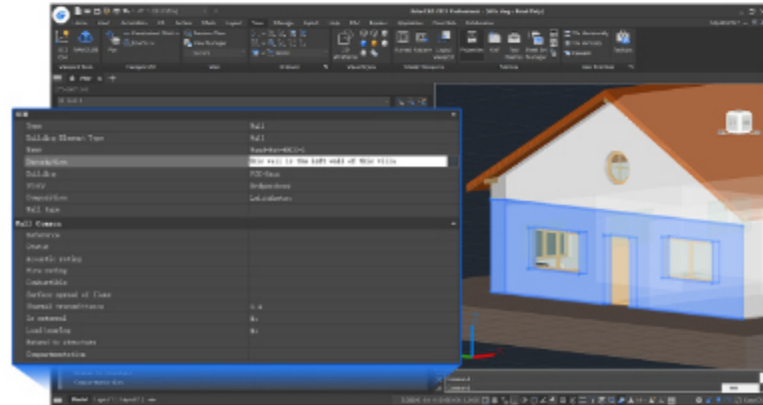

BIM Data Editing

BIM data can now be edited directly in GstarCAD 2025, providing enhanced efficiency for your design workflow!
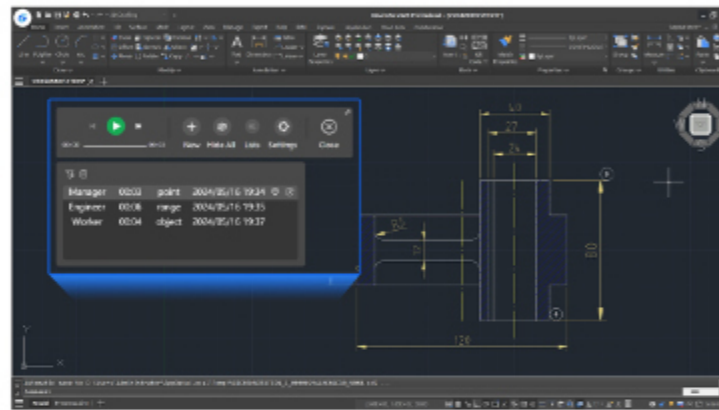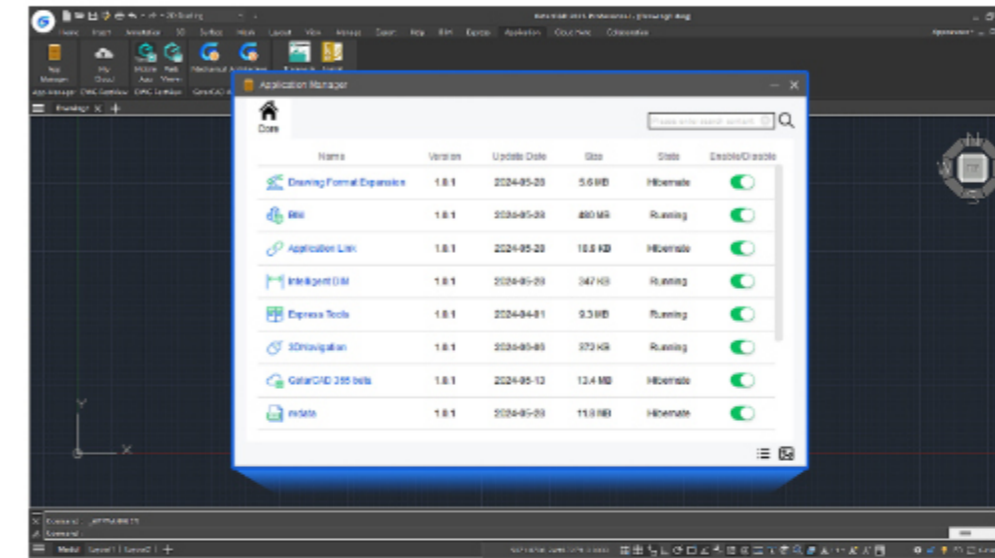

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3D Mouse Device Adaption

The SpaceMouse and CadMouse from 3Dconnexion are now supported on GstarCAD 2025. You can manipulate 2D views and 3D perspectives using the controller's joystick, switch views and execute commands using the mouse's shortcut keys, and you can also customize the mouse button configurations within the driver software for these devices.
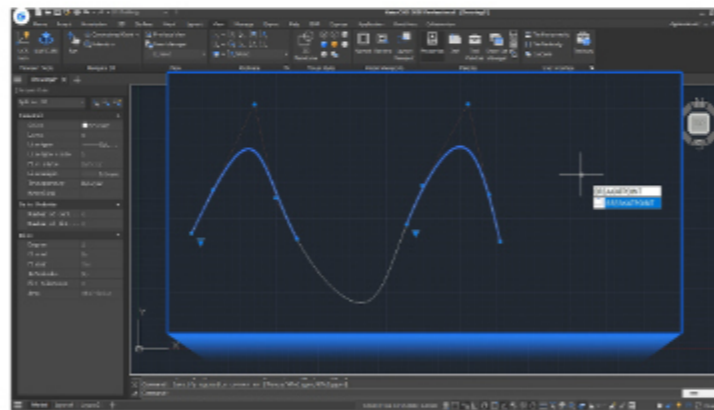

Voice Annotation

You can now add voice annotations to drawings in GstarCAD 2025, enhancing clarity. Through the Voice Manager panel, you can easily create, record, play, and manage voice annotations.

Break at Point

BREAKATPOINT command allows you to break the selected object into two objects at a specified point, without the need to specify a second point and create a gap like the BREAK command does.

DWGUNITS

Different projects or application scenarios may require different units. For example, architectural design might use meters, while mechanical design might use inches. In GstarCAD 2025, the newly added DWGUNITS command allows you to change the units of drawings to meet the standard size and annotation requirements of the drawing and avoid errors due to using different units.

Application Manager

Application Manager is a unified system for plugin management. Users can search, enable/disable, and view details of modular applications within the Application Manager, achieving the most suitable service configuration with minimal resource utilization.

Innovative

API

GstarCAD offers robust APIs for developers to migrate or build applications on GstarCAD. This year, in addition to the continuous improvement of integrity and compatibility of GRX, .NET and LISP interfaces, GstarCAD 2025 now supports Python, offering over 790 commonly-used python interfaces, thus empowering more robust customization and automation.

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More about GstarCAD

Comprehensive Drafting Ability

GstarCAD provides precise and efficient tools for 2D drafting and 3D modeling, empowering users to bring ideas to life effortlessly.

- Object Snap
- Dimension tools
- Annotation Scale
- Revision Cloud
- Multileader
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- Solid Editing
- 3D orbit options
- Visual Styles
- 3D Face & Mesh Modeling
- 2D Profiles and Sections
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Efficient File Management & Printing

GstarCAD excels in file management with high compatibility, along with high-quality print capabilities, ensuring precision in every output.

- My Cloud (Cloud Storage)
- PDF/DNG/DWF Underlay
- Drawing Compare & Graphic Compare
- Drawing Lock
- Batch Purge

- Batch Print
- Import & Export
- Barcode
- QR Code
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Flexible Customization

GstarCAD empowers users to personalize GstarCAD with flexible tools and robust APIs. From the interface and shortcuts to the software's behavior, everything could be tailored according to your needs, making sure an efficient CAD experience.

- Quick Access Custom
- User Interface Custom
- Command aliases
- Shortcuts Custom
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- ObjectGRX
- .NET Framework
- VLISP Editor
- VBA Macro
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Design Anywhere, Collaborate Everywhere

GstarCAD 365: App, Web, Cloud

GstarCAD 365 is a powerful multi-platform tool designed to enhance team efficiency in viewing drawings, managing projects, communicating, and collaborative design. Businesses can choose between Public Cloud or Private Cloud deployment based on specific needs. Key features of GstarCAD 365 include:

Cross-Platform CAD Software

	GstarCAD for Mobile	GstarCAD View	GstarCAD for Web
Operating Environment	Android/iOS	Windows	Browser
Key Features	2D/3D Viewing, Drawing, Editing, Measuring, Measurement Statistics, PDF/DWG conversion, Annotations, Cloud Apps	2D/3D Viewing, Measuring, Annotations, partial Cloud Apps	
Product Highlights	Optimized CAD commands for touch-screen devices	Lightweight CAD software, ideal for viewing, measuring, plotting, etc.	No installation required, access drawings and models on any device via a browser

Cloud Apps

Drawing Management

Users can create projects, upload drawings, models, and other documents, and share them with team members. Features include Permission Management, Version Management, External Sharing Management, Watermark Tool, System Logs and 2D/3D Viewing.

Cloud Note

Supports various types of annotations, including graphics, text, images, and voice. Annotations are stored in a database without affecting the original drawings, allowing for effective communication and task assignment directly on the drawings.

Instant Messaging

Integrated into GstarCAD for Mobile and GstarCAD View, this feature supports text and voice messages. Project updates automatically trigger message notifications, and all communication records are stored in the enterprise cloud for easy access by administrators.

LiveCollab

Allows multiple users to view and annotate a drawing simultaneously in real-time. Users can synchronize their viewports or switch to MyView. All annotations are updated in real-time for all participants.

Collaboration

Users can collaboratively edit the same drawing using an edit-lock mechanism. When one team member is editing, others can only view the drawing. Once the editing is complete, the updated version is available for the next person to continue.

It also supports referencing other drawings within the project, with automatic notifications for updates, facilitating inter-professional collaboration.

Collaboration feature utilizes an incremental storage mechanism, reducing bandwidth and storage usage by transmitting and storing only incremental changes until a final version is released. This significantly enhances collaborative design efficiency.

More CAD Products

GstarCAD for Linux

Built on the same core as the Windows version, ensuring a seamless experience with comprehensive features and user interface. Like always, GstarCAD for Linux excels in performance, compatibility, and innovation.

- Compatible with Ubuntu, Debian, Astra Linux systems
- Supports AMD 64 CPUs
- Familiar interface and operational habits
- Covering all commonly-used commands, about 85% of all commands in the Windows version.
- GstarCAD 2025 for Linux is going to cover over 90% of all Windows features

GstarCAD Architecture

GstarCAD Architecture uses associative and parametric building components to create construction plan drawings based on custom object technologies. 2D drawings and 3D models are generated synchronously to satisfy not only the demand of construction drawings, but also the 3D visualization of buildings.

- Innovative Function
- Architecture Objects
- Intelligent Operation
- 3D Model
- My Cloud
- Dimension & Symbol

GstarCAD Mechanical

Covering all fields of mechanical design, GstarCAD Mechanical is a professional designing and drawing software specially built for manufacturing.

- Compatible with ACM
- Reasonable Price
- Intelligent Design Tools
- Extensive Library

Houseplan 1.0

Houseplan is a powerful, easy-to-learn, lightweight and compatible 3D modeling and real-time rendering software that can create 3D models quickly and demonstrate your scheme independently.

- Quick Modeling
- Material Painting
- Advanced Modeling
- Entities and Animation
- Real time Rendering
- Flexible Output
- Format Compatibility
- ......

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Your Own CAD Solution

GstarCAD offers you different solutions according to your needs!
With flexiable licensing, we're dedicated to be your best CAD partner.

Standard
- 100% native DWG/DXF support from R12 to 2018
- Alternative to AutoCAD LT
- Familiar user interface and commands

Professional
- Powerful, time-saving practical tools
- Alternative to AutoCAD full version
- Advanced Block editor

Plus
- Support Parametric Constraints in addition to all Professional version features
- Dozens of commands and thousands of constraint scenarios
- Efficient and accurate design

For Linux
- Compatible with Ubuntu, Debian, Astra Linux systems
- Supports AMD 64 CPUs
- Familiar interface and operational habits

Mechanical
- GstarCAD Pro + mechanical toolset
- Full data compatibility with AutoCAD Mechanical
- Standardized drawing environment (ISO/DIN/JIS/etc)
- Automatic and professional functions
- Customizable parts/symbol libraries

Architecture
- Parametric design of building components
- GstarCAD Pro + architectural plan drawing tools
- Synchronous 3D building model from 2D drawings
- Intelligent architectural plan drawing functions

Houseplan 1.0
- Powerful real-time rendering
- Compatibility of models and materials
- Interactive simulation publishing

Perpetual	Yearly Subscription	Upgrade

※ Perpetual: Perpetual right to use license
※ Yearly Subscription: One year right to use license
※ Upgrade: Upgrade previous GstarCAD Perpetual license to the latest version

SIEMENS

BOMBARDIER

Canon Japan

Lenovo.

Schneider Electric

HONDA

RAILWAY TECHNOLOGY

NOKIA

PHILIPS

(intel)

exclusive distributor

NEOFAME our expertise
drives your success

NEOFAME TECHNOLOGIES SDN BHD
(643168A)

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DEALER / RESELLER

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