

progeCAD 2017

get the bright light



Native DWG and DXF CAD Software

progeCAD 2017 powered by the most recent IntelliCAD 8 engine offers the new up-to-date Ribbon look, improved performance, native 64-bit and multicore support.

progeCAD 2017, affordable and powerful 2D/3D DWG/DXF CAD software, reads and writes DWG/DXF drawing files versions 2.5 - 2017, is fully compatible with Windows 10 and uses the entirely rewritten source code.

progeCAD Professional is a general-purpose CAD application for professionals from a wide range of industries such as mechanical, construction, infrastructure, architectural, design, geotechnical to name a few.

progeCAD Professional contains the iCADLib blocks manager with over 22,000 blocks, PDF import and export, Google Earth™ Publishing, Express Tools, Cloud integration, ACIS solid modeling, Photorealistic Rendering, PDF, DWF, JPG printing, Raster Image management, Dynamic Input, Gradient hatch, Polygonal viewports, Etrack, Polar Tracking, EasyArch 3D parametric plugin for architects, customization with VB, VBA, C++ and Lisp.

progeCAD 2017 is a real “CAD evolution” with high performance, stability and speed.

Google earth

Windows 10



High compatibility with AutoCAD® to share information and drawings

progeCAD's original format is DWG. This ensures unrivaled compatibility with AutoCAD® without any need for file conversion.

progeCAD lets you export drawing files to any previous AutoCAD® version, from 2.5 right through AutoCAD 2017, both in DWG and DXF formats. Your DWG drawings can be shared between progeCAD and AutoCAD® without losing any critical information.

Ease of use

Anybody familiar with AutoCAD® can immediately use progeCAD without any training. progeCAD 2017 also provides a lot of exclusive tools to improve your productivity on project development.

Always updated with iCARE

1 year subscription-based maintenance and support program available. It offers a variety of benefits to help customers get the most out of their progeCAD software. Cut down upgrades costs and receive more value:

- **Software** — receive all progeCAD updates and New Versions (e.g. iCARE subscribers will receive progeCAD 2017 at no charge)
- **Support** — technical assistance via web with the help desk service through ticket, email, live chat and remote support

progeCAD Cloud

Save and open drawings on Cloud! progeCAD Cloud makes it easy for you to reach any of your drawings wherever you are.

EasyArch 3D

The automated architectural plugin to increase productivity in house and interior design and remodeling. Works in 2D and 3D modes.

Ribbon User Interface ^{new}

progeCAD 2017 offers the new Windows Ribbon-style UE customizable through CUI files along with the Classic menu. The User may switch between the Classic and Ribbon-based menus.

PDF import and export

Conversion of PDF files in editable DWG CAD drawings with Layers support. DWG drawings export and print out in PDF and the PDF/A standard.

Native 64-bit and Multicore support ^{new}

Large drawing files handling is more efficient on 64-bit machines, while performance when opening/regenerating progeCAD drawings is 1.5 – 3 times enhanced on multi-core computers.

iCADLib, Block Libraries Management

progeCAD's powerful module for Blocks management includes over 22.000 blocks.



progeSOFT



PointCloud Import ^{new}

Import and display of PCG or ISD data files from 3D laser scanners. Speed up the design process by converting scanned data of physical products into 3D CAD geometry.

Table Styles ^{new}

Creation and easy formatting of Tables in the drawing based on Tables styles. Individual cells, rows, or columns formatting overrides the formatting coming from the table style.

PDF, DGN, DWF Underlay

These file formats can be attached as an underlay to serve as a background. Object snapping to the underlay and clip support.

3D PDF Export

Share 3D data in the standard PDF format and create brochures, presentations, technical sheets and manuals in 3D.

iCADLib, Block Libraries Management

The module for blocks management to handle existing libraries of symbols and blocks as well as to organize all User's blocks.

Block Libraries

Over 22.000 ready-made blocks for various industry sectors.

EasyArch 3D, plugin for architects

The parametric architectural plugin to increase productivity in house and interior design offers 2D/3D walls, windows, doors, stairs, roofs as well as a library of dynamic blocks for interior furnishings.

Otrack® (Etrack)

Tracks along alignment paths that are based on object snap points.

Publish command (Batch Plot)

Print (or export to PDF/DWF) selected drawing layouts.

Spline editing

Allows to delete, add and move spline points as well as to open/close splines and edit tangent start/end points.

Multiline Style

Creation of named styles for multilines to control the number of elements and the properties of each element.

DWG Export

Drawings can be exported into the following file formats: PDF, DWF, 3DS, DAE, STL, LWO, POV, BMP, WMF, EMF and SVG.

DWG Converter ^{new}

The new tool facilitating the files interchange with other DWG/DXF/DNG-based CAD software. Allows to easily convert drawings between different DWG, DXF, DGN versions.

Interoperability and compatibility ^{new}

Dramatically improved the interoperability of content between applications and compatibility for: DWG file format. Collada (.dae files) export/import. Support for DGN overlays, Civil3D, ADT and mechanical object enablers. Open .dgn files (Microstation® files) by converting them into .dwg files.

Traceparts and Cadenas for progeCAD

iCADLib integrates Traceparts and Cadenas web portals for easy-guided usage of over 100 million of blocks.



3D Printing

STL export for 3D printing.

ACIS Solids

ACIS Solids creation and editing.

Dimension Style Manager

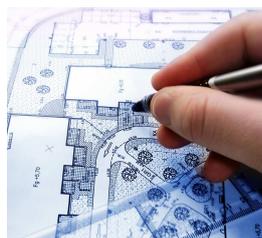
Creates new styles, sets the current style, modifies styles, sets overrides on the current style and compares styles.

Solprof

2D profile image extraction from ACIS Solids.

Context Menu

The customizable right-click context menu for selected objects.



Print to DWF/DWFX files ^{new}

Export drawings to the standard DWF and DWFX formats using PC3 printers.

3D Ortho

Z Ortho mode restricts the cursor to the up and down directions.

Windows 10

Full compatibility with the Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 and Windows 10 operating systems.

Dynamic Blocks improved grips ^{new}

Grips to modify dynamic blocks, extended editing options.

Flatshot command

Generates an accurate flat view of a 3D model.

Helix and Loft commands

Draw 3D helical polylines and create 3D entities between several cross sections.

AEC objects support

Display of Architectural Desktop objects exported in a DWG file.

Google Earth™ Texture Exporting

Projects publication in Google Earth enabling materials.

ECW, Jpeg 2000 and MrSID MG4 raster formats ^{new}

The standard wavelet compression formats optimized for aerial and satellite imagery, excellent for topography and land survey.

Annotative Objects

The feature automates the sizing of annotations such as text, hatch and dimensions in multiple viewports with varying scales displayed at the correct size.

New Advanced Polyline Grips ^{new}

Stretch, add vertex and convert the segment into arc.

Arc Aligned Text

The ARCTEXT command enables text alignment along an existing arc object. It is handy when adding complex curved text.

Paste Special

Insert Tables by Cut & Paste from Excel, Open Office, Libre Office.

RGB and Index Color Value ^{new}

All color-related system variables support RGB and Indexed color.

Raster

Display, editing, clip and polygonal clip of raster images.

Raster-to-Vector conversion

progeCAD includes the WinTopo raster to vector tool.

progeCAD Xref Manager

The smart interface for external references management.

New Commands ^{new}

XOPEN, XPLODE, POLYSOLID, POINTCLOUDATTACH, BCOUNT, LAYERWALK, SELECTSIMILAR, ALIGNSPACE, VPSYNC.

progeCAD Rendering

The rendering module with multiple lights management and materials creation/editing. Reflection, mirror, transparency, smooth shadows, customizable size bitmap output.

Advanced Data Extraction

An easy-to-use wizard for attributes and blocks data export.

Customization ^{new}

progeCAD Professional is customizable through: LISP, SDS (C++), IRX (C++ similar to AutoCAD® ARX®), .NET API, VBA, DIESEL and COM automation.