



progeCAD 2021

The best DWG CAD, the proven AutoCAD® replacement

progeCAD 2021, the 2D/3D DWG/DXF-native CAD platform offering seamless compatibility with AutoCAD® DWG versions 2.5 – 2021, is the perfect alternative CAD for any budget. progeCAD 2021 boasts the intuitive Classic/Ribbon Interface with familiar commands and perpetual licensing solutions. progeCAD is highly efficient comprising all the basic CAD functionality as well as many exclusive extra tools to facilitate the drafting process and drawings interchange, for instance, with Mechanical (STEP/IGES/SolidWorks file formats support) and BIM (rvt/rfa, IFC file formats support) applications.



progeSOFT



WHAT'S NEW

PDF2DWG

The New conversion engine with pages preview and such new options as Batch conversion of all PDFs in a folder, multi-page PDF conversion, PDF append, dashed lines recognition, plus dozens of other important improvements.

ROTATE on PASTE and PASTEBLOCK

Users can now rotate entities during the paste command for direct alignment of elements.

SELECTION CYCLING

The control of selection when an object overlaps other objects. Cycling through overlapping objects makes selection extremely easier.

QUICK PROPERTIES Palette

The Quick Properties palette shows a list of object properties for one or more selected objects. Rapid access to the most useful object properties avoiding irrelevant and confusing fields. The Quick Properties palette appears beside the cursor when clicking on an object.

SolidWorks IMPORT

progeCAD has added import of new essential file formats. progeCAD 2021 can now import .sldprt part files and .sldasm assembly files created with SolidWorks.

QRCode

Users can now create and insert a QR CODE from any text, URL etc. making text in drawings scannable from QR Codes with any mobile phone or tablet with a camera.

Associative ARRAY

progeCAD can now create Associative Arrays of multiple entities editable through the properties panel. It is now extremely easy to dynamically modify a number of items, rows, columns, angles, rotation etc.

DATAEXTRACTION

The command extracts information from objects such as block attributes and drawing properties and creates a detailed schedule, a parts list, or a bill of materials to a table inside a drawing or into an external file.

VPLAYER

The command sets layer visibility within viewports. In a layout, it is possible to assign a set of unique display properties for each Viewport layer. These settings override those in the Model tab and controlled by the layer manager palette. VPlayer works on Color, LType, LWeight, Pstyle, Transparency, Visibility (Freeze-Thaw).

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ADVANCED FEATURES

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3D EasyArch Plugin

The plugin for parametric architectural design to boost productivity creating floor plans and buildings. The plugin works in 2D and 3D, generates parametric walls, doors, windows, stairs just in few clicks, also provides a library of dynamic blocks for internal design.

STEP-IGES-SOLIDWORKS IMPORT/EXPORT

Support for widely used STEP, IGES and SolidWorks files to exchange 2D/3D CAD data. progeCAD can also import/export Maya .RGT, Wavefront .OBJ and import 3D Studio .3DS and LightWave .LWO.

PDF to DWG Converter

The module allows to convert PDF files into editable DWG CAD drawings with layers support. Lines, shapes, texts are editable with progeCAD like CAD original objects.

ARTISAN Render Engine

This is a quick way to create realistic images of your models, using scenes, preset materials, light configurations and the possibility to add user lights and materials.

3D PDF Export

The 3D PDF conversion module to export DWG/DXF drawings to 3D PDF files. Creation of Adobe PDF standard files with embedded dynamic 3D content. Smart collaboration with design professionals and with users who do not deal with CAD software. To open 3D PDF files, you simply need the free Adobe® Reader®/Acrobat Reader DC software.

3D and 2D Civil Features

Creation of TIN surfaces from Point Clouds - Topographic Sections - Slopes.

Surveying, GIS and Civil Features

Image Georeferencing - ECW, MrSID and Jpeg 2000 support - ESRI / SHAPE Import.

Blocks Library Manager

progeCAD integrates the module for blocks management with more than 20.000 2D/3D ready-to-use blocks for architecture (interior/exterior), ANSI-ISO and DIN-ISO mechanics, steel profiles, IEC and ANSI electrical symbols, 3D furniture (bathroom, kitchen, bedroom, living-room, office), hydraulic and pneumatic symbols. The iCADLib module also allows to handle user libraries of DWG and SAT blocks.

Point Clouds

Point cloud files help the design process by providing real-world context where you can recreate the referenced objects. Along with the standard ReCap® .rcp/.rcs file formats, progeCAD supports such Point Cloud formats as PCCG, ISD, XYZ, PLY and LAS.

progeCAD Express Tools

The set of tools mainly grouped under the Express Tools menu which extend progeCAD functionality enabling the user to increase productivity through easy, fast and efficient performance of complex multistep CAD operations.

IMPORT BIM

Import/attach IFC and Autodesk® Revit® files (.rvt/.rfa, IFC). These file types contain building and construction data. Once the file is attached, you can explode it, snap to it and use the RVTPANE command to open the Categories pane for visibility control.

DWG - DXF File Sharing

Data sharing in DWG/DXF file formats with colleagues and clients who use AutoCAD® or other DWG-compatible CAD programs. The DWG-native format ensures high level of compatibility with AutoCAD® DWG files up to v2020.