ProgeSOFT

The best DWG CAD,
the proven AutoCAD® replacement!

progeCAD 2019

progeCAD 2019, powered by the most recent **IntelliCAD engine**, is **2D/3D DWG/DXF-native CAD software** which offers **DWG support from v. 2.5 to DWG 2018, raster and georeferenced image management**, 3D photorealistic **rendering** with lights and materials support, the **vectorizer**, **ACIS solids creation and editing**, thousands of **2D and 3D blocks, PDF and DWF printers**, the **PDF to DWG converter, 3D PDF**, the **3D EasyArch plugin** and a lot more.

SOME NEW FEATURES - progeCAD 2019

■ STEP IMPORT/EXPORT
Support for widely used STEP files to exchange 3D solid model CAD data.

progeCAD 2019 also adds Import/Export support for .IGES to exchange 3D surface models, Maya .RGT, Wavefront .OBJ as well as import of 3D Studio .3DS and LightWave .LWO

■ AUTOSEZ TOOL
The automatic creation of surface profiles to show surface elevations along a horizontal alignment to represent e.g. road edges, ditches (similar to AutoCAD® Civil 3D feature).
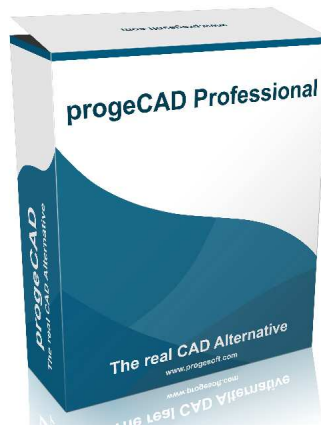
■ NUMBERED MARKERS (BUBBLES)
The automatic creation of bubbles with sequence numbers or letters.

■ BORDERLESS PRINT
Plot margin customization allows to edit standard paper size margins of plotters and printers.

■ SLOPE TOOL
Slope is a tool for an easy creation of terrain slope lines (ticks) between two edges or for a conversion of polylines into slope-style polylines (Topographic Sections - AutoCAD® Civil 3D feature).
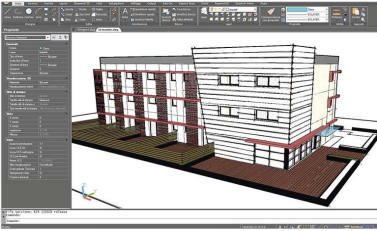
progeCAD Professional

The real CAD Alternative

■ TOTAL LENGTH MEASURE
The total length of selected polylines and lines or the total area of selected several hatches are calculated and displayed in the properties palette.

■ AIDIMFLIPARROW COMMAND
The flip of the direction of a dimension arrowhead to the opposite side of the extension line or object that the arrow touches.

■ OTHER ENHANCEMENTS...
New Express tools: GETSEL, BSCALE, GATTE, QLATTACH, DIMDISASSOCIATE, PREFIXSUFFIX; improved performance for startup time, entities snaps on underlays, drawings with XREFs, redrawing when creating and updating files with multiple entities, print of large drawings in model space with windowed print area selection; various GUI optimizations incl. support for 4K monitors
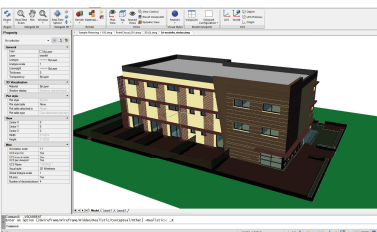
■ IFC UNDERLAY
IFC files with building and construction data can be attached as underlays. They can be snapped or exploded into editable CAD data. The IFCPANE command opens the Objects categories panel allowing to control visibility.

CAD | **Windows 10** | **Dropbox** ○**OneDrive** △**Google Drive** | **traceparts** | **Google Earth**

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.
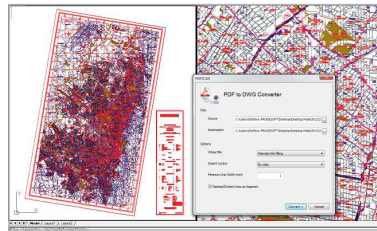

PDF to DWG Converter

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. Thanks to this tool, original drawings are not needed to import details from PDF catalogues and manuals, existing projects and drawings into progeCAD.

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 ver. 2018.**

ARTISAN Render Engine

This is a quick way to create realistic images of your models, using scenes, pre-set materials, light configurations and the possibility to add user lights and materials.
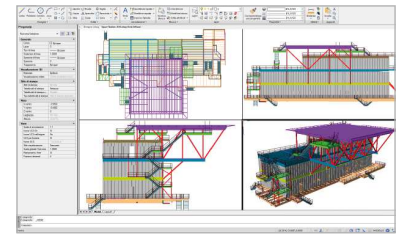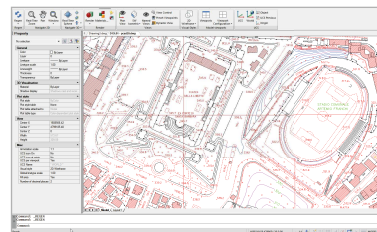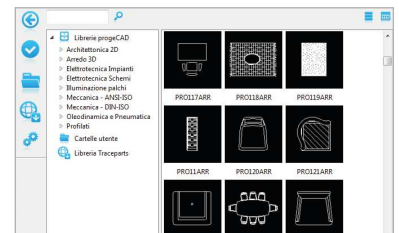
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3D PDF Export

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.

Vectorizer

The Raster to Vector add-on can be used **to quickly convert images or print-out and scanned drawings into vector representation.**

The module uploads most common image formats, performs line thinning, detects edges, creates black-and-white vectors out of processed lines and outputs the result in the DXF CAD file format.

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.