

pCon.planner 8.2 Feature Overview

Persistency

Loading and saving of DWG- and DWT-files

Conversion and support of older DWG formats

Extended template support including standard templates

Import

Geometry format (dwg, dwt, dxf, sat, sab, 3ds, skp, dae, fbx, gltf, obj, stl, 3mf)

OFML format (fml, env)

pCon Exchange Container (pec)

Industry standard (ifc)

PDF

Image format (png, bmp, tif, tga, gif, jpg)

Export

Geometry format (dwg, dxf, dwt, 3ds)

Image format (png, bmp, jpg, tif)

3DWeb for Impress (3dweb)

Clipboard 3D: MS Office, SketchUp, AutoCAD

Clipboard 2D: MS Office, Adobe Creative Suite

2D Vektor Graphics: PDF, SVG, EMF, DWG/DXF

Additional geometry formats (dae, skp, obj, gltf)

pCon Exchange Container (pec)

Media content

Images

Panoramic images

Animations

Videos

Vector Graphics

Media Browser to manage the media content

Renderer: OSPRay, Yafaray, Realtime

Render Styles

Add logo to animations / images

Add spherical panoramas as image background

Link to Impress (Sharing 3D Models)

Photo-realistic product images for postprocessing in image editing programs

Integrated image editor

Printing

Image print

Image export

High quality vector image combination based printout

Printing to scale

PDF print

Architecture

Wall elements (walls, windows, round window, doors, glass fronts, gates, openings)

Wall objects (sockets, network sockets, switches,...)

Light sources (spot, point, directional, area, ambient light)

Additional elements (ceiling with grid, floor, stairway, pillars, railing, blinds, roof pitch, dormer)

Installation elements (radiator, pipework)

Creating wall objects

Space management (room splitter and room stamp)

Interactive element placement

Floor plan tool

Drawing

Shapes (rectangle, polygon, line, circle, ellipse, arc, point, arrow)

Freehand-tool

Solids (cone, sphere, cube, cylinder)

Texts

Dimensioning

Rounding Edges (2D)

Line styles

Construction

Subtract

Merge

Intersect

Follow me tool

Tools

Duplicate (array, circle array, quick copy, clipboard operations)

Move (rotate, move, object interactor)

Change (scale, mirror, extrude – expanded -, region)

Hide, lock and group objects

Replace

Materials (picker, fill color, texture edit)

Material editor

Property editor

Purge and audit documents

Recovery Mode

Interactive property transfer

Property container

Definition of insert point

Creation of and conversion to reference copies

Guiding lines

Editing of groups

Hatches

Generation of 2D symbols for 3D geometries

Dimensioning

Straight dimensioning
Automatic wall dimensioning
Aligned and angle dimensioning
Callouts
Dimensioning for radii, diameters and arcs
Dimension style editor
Import of dimension styles from other pCon.planner files
Annotations

Catalogs

pCon.catalog - access to symbols of online catalogs
3D Warehouse browser

Workspace

Realtime display modes (wireframe, hidden line, colored, textured, conceptual, shaded, realistic)
View control (perspective, orthogonal, ISO, object)
Add spherical panoramas as image background
Add HDRI image as environment light source
Individual setup of workspace with independent viewports
Navigation panel (zoom, pan, orbit, look around, walkthrough)
Create, use and delete custom cameras
Custom toolbars
Context sensitive mini toolbar

Layer

Management of layers - considering all viewports simultaneously (global) - independent layer management for each viewport (local)
Additional layer operations (add, remove, rename, select all objects, assign layer to objects, filter by layer names)
Editor to create custom layer filter

Misc

Compatibility mode for less capable hardware

Quality level for solid tessellation

Multiple instances

Legal remarks

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