

Features pCon.planner 7.7

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)
OFML format (fml, env)
Industry standards (ifc)
pCon Exchange Container (pec)
Image format (png, bmp, tif, tga, gif, jpg)

Export

Geometry format (dwg, dxf, dwt, 3ds, pec)
Image format (png, bmp, jpg, tif, epx)
pCon Exchange Container (pec)
3DWeb for Impress (3dweb)
Additional geometry formats (dae, skp, obj, fbx)
Vector image (svg, emf, dwg, dxf)

Media content

YafaRay Render Engine; additional OSPRay Render Engine (for Win 64 bit systems)
Images
Panoramic images
Animations
Videos
Media Browser to manage the media content
Render Styles
Add logo to animations / images

Add spherical panoramas as image background

Link to Impress

Sharing 3D Models

Printing

Image print

Image export

High quality printing based on a combination of vectors and image printout

Printing to scale

Insert title block and logo

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)

Rounding Edges (2D)

Texts

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

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 reference copies

Guiding lines

Editing of groups

Hatches

Dimensioning

Straight dimensioning

Radii, diameter and arcs dimensioning

Automatic wall dimensioning

Aligned and angle dimensioning

Dimension style editor

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, zoom-to-object views)
Individual setup of workspace with independent viewports
Navigation panel (zoom, pan, orbit, look around, walkthrough)
Create, use and delete custom cameras
Use your own background images in the planning area
Custom toolbars
Context sensitive mini toolbar

Layer

Management of layers <ul style="list-style-type: none">• 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
64-bit version

Legal remarks

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