

pCon.planner Features

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)

Extended Geometry (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, epx)

3DWeb for Impress (3dweb)

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

Vector image (svg, emf, dwg, dxf)

pCon Exchange Container (pec)

Media content

Images

Panoramic images

Animations

Videos

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

Printing

Image print

Image export

High quality vector image combination based printout

Printing to scale

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 reference copies

Guiding lines

Editing of groups

Hatches

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

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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