

## Product documents (02.05.2017)

### Features pCon.planner 7.5

#### Persistency

- 
- Loading and saving of DWG- and DWT-files
  - Conversion and support of older DWG formats
  - Extended template support including standard templates
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#### Import

- 
- Geometry format (dwg, dwt, dxf, sat, sab, 3ds, skp)
  - OFML format (fml, env)
  - Industry standards (ifc)
  - Image format (png, bmp, tif, tga, gif, jpg)
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#### Export

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- Geometry format (dwg, dxf, dwt, 3ds)
  - Image format (png, bmp, jpg, tif, eps)
  - 3DWeb for Impress (3dweb)
  - Additional geometry formats (dae, skp, obj, fbx)
  - Vector image (svg, emf, dwg, dxf)
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#### Media content

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- 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
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## Sharing 3D Models

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### Printing

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Image print

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Image export

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

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Printing to scale

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Insert title block and logo

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### Architecture

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

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

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

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

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Installation elements (radiator, pipework)

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Creating wall objects

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Space management (room splitter and room stamp)

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Interactive element placement

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Floor plan tool

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### Drawing

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

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Freehand-tool

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Solids (cone, sphere, cube, cylinder)

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Rounding Edges (2D)

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Texts

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Line styles

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### Construction

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Subtract

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Merge

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Intersect

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Follow me tool

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## Tools

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

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Move (rotate, move, object interactor)

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

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Hide, lock and group objects

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Materials (picker, fill color, texture edit)

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Material editor

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Property editor

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Purge and audit documents

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Recovery Mode

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Interactive property transfer

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Property container

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Definition of insert point

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Creation of reference copies

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Guiding lines

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Editing of groups

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Hatches

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## Dimensioning

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Straight dimensioning

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Radii, diameter and arcs dimensioning

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Automatic wall dimensioning

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Aligned and angle dimensioning

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Dimension style editor

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## Catalogs

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pCon.catalog - access to symbols of online catalogs

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3D Warehouse browser

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## Workspace

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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

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## Layer

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Management of layers <ul style="list-style-type: none"><li>• considering all viewports simultaneously (global)</li><li>• independent layer management for each viewport (local)</li></ul>
Additional layer operations (add, remove, rename, select all objects, assign layer to objects, filter by layer names)
Editor to create custom layer filter

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## Misc

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Compatibility mode for less capable hardware
Quality level for solid tessellation
Multiple instances
64-bit version

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## Legal remarks

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