

## Differences between editions

State: pCon.planner 8.11

| <b>Persistency</b>                                     | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|--|------------|-----------|------------|
| Loading and saving of DWG- and DWT-files               | X          | X         | X          |
| Conversion and support of older DWG formats            | X          | X         | X          |
| Extended template support including standard templates | X          |           | X          |

  

| <b>Import</b>                                       | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|---|------------|-----------|------------|
| Geometry format (dwg, dwt, dxf, sat, sab, 3ds, skp) | X          | X         | X          |
| Extended Geometry (dae, fbx, gltf, obj, stl, usd)   | X          |           | X          |
| Point clouds (e57)                                  |            |           | X          |
| DGN (Microstation)                                  |            |           | X          |
| OFML format (fml, env)                              | X          | X         | X          |
| pCon.box projects (pbox)                            | X          | X         | X          |
| pCon.basket Offline projects (obk)                  |            | X         | X          |
| OBX   |            | X         | X          |
| EOX   | X          | X         | X          |
| pCon Exchange Container (pec)                       | X          | X         | X          |
| Acoustics data CadnaR (cnivg)                       |            |           | X          |
| IFC 2.3 + IFC 4 (ifc)                               | X          |           | X          |
| PDF   | X          |           | X          |
| Extended CAD formats (Step, IGES)                   |            |           | X          |
| Photometric data (ies, ldt/ Eulumdat)               | X          | X         | X          |
| Image format (png, bmp, tif, tga, gif, jpg, webp)   | X          | X         | X          |

| <b>Export</b>   | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|---|------------|-----------|------------|
| Geometry format (dwg, dxf, dwt, 3ds)  | X          | X         | X          |
| Image format (png, bmp, jpg, tif, epx)  | X          | X         | X          |
| Clipboard 3D: MS Office, SkecthUp, AutoCAD  | X          |           | X          |
| Clipboard 2D: MS Office, Adobe Creative Suite   | X          |           | X          |
| Clipboard Articles: pCon.basket (Online + Offline)  |            | X         | X          |
| 2D vector graphics: PDF, SVG, EMF, DWG/DXF  | X          |           | X          |
| Additional geometry formats (dae, skp, obj, fbx)  | X          |           | X          |
| STL Format (stl)  |            |           | X          |
| Vector image (svg, emf, dwg, dxf)   | X          |           | X          |
| Article information (obx, xlsx, csv)<br>- for active manufacturer only<br>- for all manufacturers |            | X         | X          |
| Export of article information as Excel document <sup>1</sup>                                      |            | X         | X          |
| Projects for pCon.basket (obk)  |            | X         | X          |
| pCon Exchange Container (pec)   | X          | X         | X          |
| IFC 4 (ifc)   |            |           | X          |
| Export of product data for Autodesk® Revit®   |            |           | X          |
| AR Exports (USDZ and GLTF Export)   | X          | X         | X          |
| ReCAD export to Relux   |            |           | X          |

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<sup>1</sup> Requires Microsoft Excel installed

| <b>Media content</b>   | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|--|------------|-----------|------------|
| Image  | X          | X         | X          |
| Panoramic images   | X          | X         | X          |
| Vector Graphic   | X          |           | X          |
| Animations   | X          | X         | X          |
| Videos   | X          | X         | X          |
| Media Browser to manage the media content  | X          | X         | X          |
| Renderer: OSPRay, Realtime   | X          | X         | X          |
| Multi Content Pictures   |            |           | X          |
| Multi Content Panoramas  |            |           | X          |
| Export for external rendering (OSPRay)   |            |           | X          |
| Render Styles  | X          |           | X          |
| Add logo to animations / images  | X          | X         | X          |
| Add spherical panoramas as image background  | X          | X         | X          |
| Link to Impress (Sharing CAD Models, 3D and AR)  | X          | X         | X          |
| Generation of product images for set and user articles   |            |           | X          |
| Photo-realistic product images for postprocessing in image editing programs  | X          | X         | X          |
| Picture editor   | X          |           | X          |
| <b>Printing</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Image print  | X          | X         | X          |
| Image export   | X          | X         | X          |
| High quality printout (vector based)   | X          | X         | X          |
| Printing to scale  | X          | X         | X          |
| Layout tool including options for dimensioning, features for professional positioning of views, handover of selections from planning to printout pages |            |           | X          |
| PDF creation   | X          |           | X          |

| <b>Architecture</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|--|------------|-----------|------------|
| Wall elements (walls, windows, round window, doors, glass fronts, gates, openings)                     | X          | X         | X          |
| Wall objects (sockets, network sockets, switches, ...)   | X          | X         | X          |
| Light sources (spot, point, directional, area, ambient light, , photometric)                           | X          | X         | X          |
| Additional elements (ceiling with grid, floor, stairway, pillars, railing, blinds, roof pitch, dormer) | X          | X         | X          |
| Installation elements (radiator, pipework)   | X          | X         | X          |
| Creating wall objects  | X          | X         | X          |
| Space management (room splitter and room stamp)  | X          |           | X          |
| Interactive element placement  | X          |           | X          |
| Floor plan tool  | X          |           | X          |
| <b>Drawing</b>   | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Shapes (rectangle, polygon, line, circle, ellipse, arc, ...)   | X          | X         | X          |
| Freehand tool  | X          | X         | X          |
| Solids (cone, sphere, cube, cylinder)  | X          | X         | X          |
| Texts  | X          | X         | X          |
| Advanced Text  | X          |           | X          |
| Dimensioning   | X          | X         | X          |
| Rounding Edges (2D)  | X          | X         | X          |
| <b>Construction</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Subtract   | X          |           | X          |
| Merge  | X          |           | X          |
| Intersect  | X          |           | X          |
| Stretch  | X          |           | X          |
| Slice  | X          |           | X          |
| Follow me tool   | X          |           | X          |

| <b>Tools</b>   | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|--|------------|-----------|------------|
| Duplicate (array, quick copy, clipboard operations)  | X          | X         | X          |
| Move (rotate, move, object interactor)               | X          | X         | X          |
| Change (scale, mirror, extrude – expanded -, region) | X          | X         | X          |
| Hide, lock and group objects                         | X          | X         | X          |
| Replace  | X          | X         | X          |
| Materials (picker, fill color, texture edit)         | X          | X         | X          |
| Material editor                                      | X          | X         | X          |
| Property editor                                      | X          | X         | X          |
| Purge and audit documents                            | X          | X         | X          |
| Recovery Mode  | X          | X         | X          |
| Interactive property transfer                        | X          | X         | X          |
| Property container                                   | X          | X         | X          |
| Definition of insert point                           | X          |           | X          |
| Creation of reference copies                         | X          |           | X          |
| Guiding lines  | X          | X         | X          |
| Editing of groups                                    | X          | X         | X          |
| Arrangement and Alignment                            | X          | X         | X          |
| Hatches  | X          | (X)       | X          |
| 2D Symbol  | X          |           | X          |
| 2D Crop  | X          |           | X          |
| 2D Projection  |            |           | X          |
| Clipping   | X          | X         | X          |
| <b>Dimensioning</b>                                  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Straight dimensioning                                | X          | X         | X          |
| Automatic wall dimensioning                          | X          | X         | X          |
| Aligned and angle dimensioning                       | X          |           | X          |
| Callouts   | X          | X         | X          |
| Dimensioning for radii, diameters and arcs           | X          | X         | X          |
| Dimension style editor                               | X          |           | X          |
| Import of dimension styles                           | X          |           | X          |

| <b>Online content</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b>  |
|--|------------|-----------|-------------|
| pCon.catalog   | X          | X         | X           |
| Access to symbols of online catalogs (3D Warehouse)  | X          | X         | X           |
| Product Information (dynamic online service)   | X          | X         | X           |
| <b>OFML</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b>  |
| Article features (catalog, article list, exports, print preview):<br>- for specific manufacturer<br>- for as many manufacturers as desired   |            | X         | X           |
| Using article data with multiple price dates   |            | X         | X           |
| Special articles:<br>- conversion of standard OFML articles (commercial changes)<br>- constructive modification of OFML articles (graphical changes)<br>- conversion of arbitrary geometries |            | X         | X<br>X<br>X |
| Profile manager  |            | X         | X           |
| Extended article search  |            | X         | X           |
| Folder manager   |            |           | X           |
| Article Selection  |            |           | X           |
| Switch between 2D and 3D representation  |            |           | X           |
| Reference numbers  |            |           | X           |
| Set Articles   |            | X         | X           |
| OAP support  |            | X         | X           |

| <b>Workspace</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
|---|------------|-----------|------------|
| Realtime display modes (wireframe, hidden line, colored, textured, conceptual, shaded, realistic)                                       | X          | X         | X          |
| View control (perspective, orthogonal, ISO, object)   | X          | X         | X          |
| Add spherical panoramas as image background   | X          | X         | X          |
| Add HDRI image as environment light source  | X          | X         | X          |
| Individual setup of workspace with independent viewports  | X          | X         | X          |
| Navigation panel (zoom, pan, orbit, look around, walkthrough)   | X          | X         | X          |
| Create, use and delete custom cameras   | X          | X         | X          |
| Custom toolbars   | X          | X         | X          |
| Context sensitive mini toolbar  | X          | X         | X          |
| Live View   | X          | X         | X          |
| <b>Layer</b>  | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Management of layers<br>- considering all viewports simultaneously (global)<br>- independent layer management for each viewport (local) | X<br>X     | X         | X<br>X     |
| Additional layer operations (add, remove, rename, select all objects, assign layer to objects, filter)                                  | X          |           | X          |
| Editor to create custom layer filter  | X          |           | X          |
| <b>Misc</b>   | <b>STD</b> | <b>ME</b> | <b>PRO</b> |
| Compatibility mode for less capable hardware  | X          | X         | X          |
| Quality level for solid tessellation  | X          | X         | X          |
| Multiple instances  | X          |           | X          |
| pCon.login support  |            | X         | X          |
| Protection by license management  |            |           | X          |
| Extended command line parameters  |            |           | X          |
| Plugin SDK  |            |           | X          |

### Legal remarks

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