Differences between editions
Status: pCon.planner 8.8.1 (2023-02-28)

Persistency	STD	ME	PRO
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

Import	STD	ME	PRO
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
OFML format (ogrp)		X	X
Projects from pCon.basket Offline (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

Export	STD	ME	PRO
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 (fml, obx, csv): - considers active manufacturer only - considers all manufacturers		X	X
Export of article information as Excel document[1]		X	X
Projects for pCon.basket (obk)			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

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[1] Requires Mircosoft Excel installed

Media content	STD	ME	PRO
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

Printing	STD	ME	PRO
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

Architecture

Architecture	STD	ME	PRO
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

Drawing

Drawing	STD	ME	PRO
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

Construction

Construction	STD	ME	PRO
Subtract	X		X
Merge	X		X
Intersect	X		X
Stretch	X		X
Slice	X		X
Follow me tool	X		X

Tools		STD	ME	PRO
	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

Dimensioning		STD	ME	PRO
	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

Online content

		STD	ME	PRO
	pCon.catalog	X	X	X
	Access to symbols of online catalogs	X	X	X
	Product Information (dynamic online service)	X	X	X

OFML

		STD	ME	PRO
	Article features (catalog, article list, exports, print preview): - for specific manufacturer - for as many manufacturers as desired		X	X
	Using article data with multiple price dates		X	X
	Special articles: - conversion of standard OFML articles (commercial changes) - constructive modification of OFML articles (graphical changes) - conversion of arbitrary geometries		X	X X 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

Workspace

		STD	ME	PRO
	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

		STD	ME	PRO
	Context sensitive mini toolbar	X	X	X

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

Plugin Interface		**STD**	**ME**	**PRO**
	Plugin SDK			X

Misc		**STD**	**ME**	**PRO**
	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
	Live View	X	X	X