

ALLPLAN 2017 DATA EXCHANGE FORMATS

IMPORT

| GENERAL IMPORT FORMATS | FILE EXTENSION | VERSION, NOTES |
|------------------------|-----------------------------|---|
| DXF, DWG, AutoCAD-data | .dxf, .dwg, .dwt, .dxb | Until version 2013 (until AutoCAD 2017), incl. ACIS support |
| DGN, MicroStation-data | .dgn | Version 8 (ODA v 3.02) |
| PDF, PDF/A | .pdf | Vector data import |
| 3D-PDF | .pdf | U3D format (ECMA-363 1st edition) |
| IFC | .ifc, .ifcXML | Versions 2x3, XML 2x3 |
| CINEMA 4D | .c4d | Versions 10.5 to 17 |
| SketchUp | .skp | Until version 8 |
| Rhino | .3dm | Versions 1 to 4 |
| STL | .stl | 3D-Printer-Format |
| VRML | .wrl | Version 2 |
| XML | .xml | For example CINEMA R9.1 and later |
| Hpgl/2 plot files | .plt, .hp, .hpg, .hpl, .prn | |

| IMPORT FORMATS FOR COORDINATE VALUES, TERRAIN MODEL | FILE EXTENSION | VERSION, NOTES |
|--|-----------------------------|---------------------------------|
| Coordinate, axis and curve values | .re1, .reb, .re2, .asc, lin | Including lines with attributes |
| Terrain model: longitudinal profiles, cross-sections | .lpr, .qpr | |
| LandXML | .xml | Version 1.0 to 2.0 |

| IMPORT FORMATS FOR CIVIL ENGINEERING | FILE EXTENSION | VERSION, NOTES |
|---------------------------------------|----------------|---|
| FEM Data (Frilo, Scia) | .asf | Plus Infograph, Cubus, mb, Tornow, PCAE (4H-ALFA),Graitec, Autodesk, SCAD |
| Reinforcement data | .a | |
| CEDRUS elements | .sin | Cubus finite elements |
| Bridges and civil engineering modeler | .nkb | |

EXPORT

| GENERAL EXPORT FORMATS | FILE EXTENSION | VERSION, NOTES |
|-------------------------|-----------------------------|--|
| DXF, DWG – AutoCAD data | .dxf, .dwg | Versions 12 to 2013 (until AutoCAD 2017), incl. ACIS support |
| DWF – AutoCAD data | .dwf | Versions 6 and 7 |
| DGN – MicroStation data | .dgn | Versions 8 (ODA v 3.02) |
| PDF, PDF/A | .pdf | Including layers ("planes") from drawing files and layouts |
| 3D-PDF | .pdf | U3D format (ECMA-363 1st edition) |
| IFC | .ifc, .ifcXML | Versions 2x3, XML 2x3, 4 |
| CINEMA 4D | .c4d | Version 12 (can be read in R17) |
| SketchUp | .skp | Versions 6 and 7 |
| RIB iTWO | .cpixml | Version 2.3 |
| Rhino | .3dm | Version 1 to 4 |
| VRML | .wrl | Version 2 |
| Collada | .dae | Versions 1.4.1 and 1.5.0 |
| Google Earth | .kmz | Version 2.1 |
| STL | .stl | 3D-Printer-Format |
| Universal 3D | .u3d | ECMA-363 1st edition format |
| Hpgl/2 print files | .plt, .hp, .hpg, .hpl, .prn | |
| SVG | .svg | |
| Autodesk 3ds Max | .3ds | |

| EXPORT OF REPORTS | FILE EXTENSION | VERSION, NOTES |
|-------------------|----------------|----------------|
| Excel | .xlsx | Version 2010 |
| Word | .docx | Version 2010 |
| PDF | .pdf | |

| EXPORT OF LAYOUT ATTRIBUTES | FILE EXTENSION | VERSION, NOTES |
|-----------------------------|----------------|---------------------------------|
| XML | .xml | For EDM connection, e.g. Rivera |

| EXPORT FORMATS FOR COORDINATES, TERRAIN MODEL | FILE EXTENSION | VERSION, NOTES |
|---|-----------------------------|---------------------------------|
| Coordinate values, location line values, curve values | .re1, .reb, .re2, .asc, lin | Including lines with attributes |
| Terrain model: longitudinal profiles, transverse profiles | .lpr, .qpr | |

| EXPORT FORMATS FOR BUILDING PHYSICS, THERMAL INSULATION | FILE EXTENSION | VERSION, NOTES |
|---|----------------|----------------|
| „Kern Dämmwerk“ | .cdk | |

| EXPORT FORMATS FOR CIVIL ENGINEERING | FILE EXTENSION | VERSION, NOTES |
|--------------------------------------|----------------|-----------------------|
| Frilo PLT, SC, GEO | .asc | |
| CEDRUS elements | .sin | Cubus finite elements |
| Bending machines | .abs | Version 2 |
| BAMTEC file | .tec | BAMTEC robot |

PIXEL FORMATS: IMPORT AND EXPORT

| IMPORT AND EXPORT FORMATS: PIXEL FILES | FILE EXTENSION | VERSION, NOTES |
|--|----------------|--|
| JPEG | .jpg, jff, jtf | Including geo-referenced information (import) |
| TIF | .tif | Including geo-referenced information (import and export) |
| BMP | .bmp | |
| EPS | .eps | |
| TGA | .tga | |
| PCT | .pct | |
| PCX | .pcx | |
| PNG | .png | |
| PSD | .psd | |

WINDOWS INTERFACES

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|-----------|---|
| OLE | Integrating or linking Word, Excel, PDF documents |
| Clipboard | Allplan data, text, bitmaps and so on |

PROGRAMMING INTERFACES

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| COM, NOI | Interfaces for add-ons For example for Scia, Cadics, AX3000, Weto, On-Site Survey |
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