

Data Exchange Formats

ALLPLAN 2025

IMPORT

| GENERAL IMPORT FORMATS | FILE EXTENSION | VERSION, NOTES |
|------------------------|-----------------------------|---------------------------------------|
| DXF, DWG, AutoCAD-data | .dxf, .dwg, .dwt, .dxb | Until version 2025 incl. ACIS support |
| DGN, MicroStation-data | .dgn | Version 8, version 7 |
| Revit | .rvt | Until version 2023 |
| PDF, PDF/A | .pdf | Vector and pixel data |
| 3D-PDF | .pdf | U3D format (ECMA-363 1st edition) |
| IFC | .ifc, .ifcXML, .ifcZIP | 2x3, 4 (incl. IFC4PRECAST), 4.3 |
| BCF | .bcf | |
| CINEMA 4D | .c4d | Versions 12.5 to 24 |
| SketchUp | .skp | Versions 6 to 2021 |
| OBJ | .obj | Wavefront OBJ |
| Rhino | .3dm | Versions 1 to 5 |
| STL | .stl | 3D-Printer-Format |
| VRML | .wrl | Version 2 |
| XML | .xml | NOI XML |
| XPlanung | .gml | |
| 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 |
| CEDRUS elements | .sin | Cubus finite elements |
| Bridges and civil engineering modeler | .nkb | |

| IMPORT FORMATS FOR PREFABRICATION | FILE EXTENSION | VERSION, NOTES |
|-----------------------------------|----------------|---------------------------------|
| KST (ERP) | .kst | V 1.0, project attribute import |
| ADS XML (ERP) | any | V 1.0, project attribute import |

EXPORT

| GENERAL EXPORT FORMATS | FILE EXTENSION | VERSION, NOTES |
|-------------------------|-----------------------------|--|
| DXF, DWG – AutoCAD data | .dxf, .dwg | Versions 12 to 2018, incl. ACIS support |
| DWF – AutoCAD data | .dwf | Versions 6 and 7 |
| DGN – MicroStation data | .dgn | Version 8, Version 7 |
| 2PDF, 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, 4 |
| CINEMA 4D | .c4d | Version 12 (can be read in R23) |
| SketchUp | .skp | Versions 6 to 2020 |
| CPIXML, iTWO | .cpixml | Versions 2.3, 2017 |
| Rhino | .3dm | Version 5 |
| 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 | |
| 3ds Max | .3ds | |
| XPlanung | .gml | |

| 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 |

EXPORT

| 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 |
| aSa | *.tek | |
| Soule | *.xml | |
| EXPORT FORMATS FOR PREFABRICATION | FILE EXTENSION | VERSION, NOTES |
| PXML (MES) | .pxml | Versions 1.2 and 1.3 |
| UniCAM (MES) | any | Versions 4.0, 5.0, 5.1, 5.2, 6.0 and 6.1 |
| KST (ERP) | .kst | V 1.0 |
| ADS.XML (ERP) | any | V 1.0 |
| PXML.delegate (ERP) | .pxml | Part of PXML version 1.3 |

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

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

PROGRAMMING INTERFACES

| | |
|-----------------------------------|--|
| Python | Parametric PythonParts – 3D objects with reinforcement |
| Visual Scripting | Parametric objects as script from visual code blocks (nodes) |
| NOI (Nemetschek Object Interface) | Interface for attachment programming for example for AX3000, Add-ons |

Current system requirements can be found at allplan.com/info/sysinfo

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