

# PLM Vis – Software toolkit for collaborative view and markup

## Supported formats

### fact sheet

#### Siemens PLM Software

[www.siemens.com/plmcomponents](http://www.siemens.com/plmcomponents)

- ▶ PLM Vis is component software visualization technology that provides view/markup of 3D and 2D documents. PLM Vis is architected as both ActiveX controls to leverage Microsoft Windows, and as Java Beans for portability. PLM Vis complements Siemens PLM Software's Teamcenter® Visualization applications, providing custom functionality where off-the-shelf products do not match customer requirements.

PLM Vis supports many different data file formats used in all disciplines of engineering, business and publishing, on Unix and PC platforms.

### 3D formats supported

| Extension                        | Description                                                                                                                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| jt                               | Common 3D format promoted by JT™ Open organization for enabling product visualization and information distribution and enhancing data sharing between PLM software applications. Includes data describing model's geometry, material, assembly, PMI (product manufacturing information), and other attributes |
| vf                               | Teamcenter Session file – state file that includes session parameters as well as model data                                                                                                                                                                                                                   |
| x_t, x_b,<br>xmt_txt,<br>xmt_bin | File formats used by Parasolid® software – the geometric modeling kernel software that serves as the basis for many popular CAD, CAM and CAE products                                                                                                                                                         |
| prt                              | Model and drawing files created by NX™ software and its predecessor Unigraphics – Siemens' integrated CAD/CAM/CAE application                                                                                                                                                                                 |
| prt                              | Model and drawing files created by Solid Edge® software – Siemens' value-based 3D CAD application (available with PLM Vis Version 6)                                                                                                                                                                          |
| vrml                             | Virtual reality markup language                                                                                                                                                                                                                                                                               |
| stl                              | Stereolithography format for rapid prototyping                                                                                                                                                                                                                                                                |

### 2D formats

| Extension | Description                                                         |
|-----------|---------------------------------------------------------------------|
| 906, 907  | Calcomp plot file formats 906 and 907                               |
| pdf       | Adobe Acrobat document format                                       |
| bmp       | MS Windows bitmap                                                   |
| bmp       | OS/2 bitmap                                                         |
| c4        | JEDMICS C4 tiled raster format                                      |
| cgm       | Binary computer graphics metafile MIL-D-28003, ANSI X3.122          |
| dgn       | Microstation DGN file format (on Windows)                           |
| dxf       | Autodesk drawing exchange formats 2002, 2000, 14, 13, 12, 11, 10, 9 |
| dwg       | AutoCAD drawing versions 2002, 2000i, 2000                          |

**2D formats (cont'd.)**

| Extension                | Description                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dwf                      | AutoCAD drawing web formats v5, v4, v3, v2                                                                                                                                                      |
| emf                      | Enhanced metafile                                                                                                                                                                               |
| gbr, gbr                 | Gerber plot file formats RS274D and RS274X                                                                                                                                                      |
| hpg, hpgl, hp2, plt, prn | HP graphics language 1 and 2, HP raster transfer language                                                                                                                                       |
| igs, iges                | Initial graphics exchange specification                                                                                                                                                         |
| jpeg, jpe, jpg           | Joint Photographic Experts Group (JPEG) is a common format for storing images                                                                                                                   |
| mdl                      | Model file                                                                                                                                                                                      |
| md                       | MetaDataStamp                                                                                                                                                                                   |
| mds                      | MetaDataStamp                                                                                                                                                                                   |
| mi                       | HP CoCreate (not available on SGI or AIX platforms), ME10 and ME30                                                                                                                              |
| mlr, mil, mlr            | MIL-R-28002 Type 1 raster                                                                                                                                                                       |
| mpc                      | Multi-page CALS file                                                                                                                                                                            |
| ovl, v01, mrk            | Markup layer                                                                                                                                                                                    |
| pcx                      | Windows Paintbrush                                                                                                                                                                              |
| pct                      | Macintosh Paint – PICT                                                                                                                                                                          |
| png                      | Portable network graphics                                                                                                                                                                       |
| ai, ps, eps              | PostScript levels 1, 2 and EPS                                                                                                                                                                  |
| ras, sun                 | Bi-level Sun                                                                                                                                                                                    |
| rvf                      | Raster viewing format                                                                                                                                                                           |
| dft                      | Solid Edge drafting format                                                                                                                                                                      |
| tif                      | Tagged image file format                                                                                                                                                                        |
| tlc                      | TLC file format                                                                                                                                                                                 |
| fsx, ovx, fs, ov         | TRIFF – Monochrome, single and multi-page tiled raster format                                                                                                                                   |
| prt                      | NX (formerly Unigraphics) part file drawings                                                                                                                                                    |
| txt                      | ASCII text                                                                                                                                                                                      |
| zip                      | The files contained within the ZIP are displayed in a single multi-page 2D image window. You can navigate through the pages (files) using any of the available 2D multi-page navigation options |

PLM Vis supports Windows as well several Unix-based platforms including Sun, IBM and HP. For more information please visit [www.ugs.com/plmvis](http://www.ugs.com/plmvis).

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