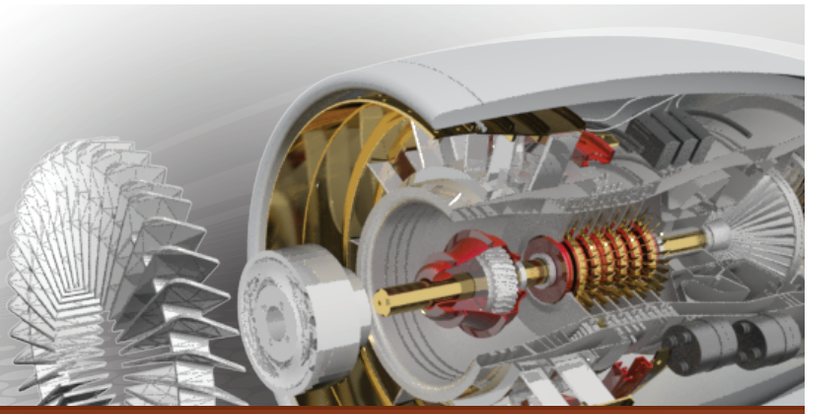
TETRA 4D ENRICH

TETRA 4D AUTOMATE



ADOBE'S EXCLUSIVE PROVIDER OF 3D PDF TECHNOLOGY

BROUGHT TO YOU BY TETRA 4D

# CONVERT. SHARE. COLLABORATE.

Tetra 4D Enrich is the only solution that allows anyone to create data rich, interactive 3D PDFs inside of Adobe Acrobat without needing programming expertise. The interactive 3D PDF created with Tetra4D Enrich functions like an "app" that has all the data needed to support any workflow, even complex workflows related to the Model Based Enterprise (MBE), and allows anyone to view and interact with the data using the ubiquitous Adobe© Reader©.

## KEY CAPABILITIES

### ENHANCE YOUR 3D PDF WITH INTERACTIVITY

Easily add interactivity between 3D models, non-graphical data and other product information to create custom actions such as populating views, changing render modes, displaying text and more.

### CREATE ADVANCED DOCUMENTS

Create your own custom template or use existing templates to build compelling documents such as work instructions, part catalogs, maintenance manuals and technical data packages.

### ALL CRITICAL MANUFACTURING INFORMATION, IN ONE DOCUMENT

Consolidate all required product information into one document including 3D CAD, CAD metadata, and business intelligence from systems like ERP and PLM.

### EFFICIENT AND AFFORDABLE

Critical documents can be created without additional internal or external resources at a modest price, saving both time and money. Until now programming expertise or costly enterprise solutions would be required to create such documents.

### CONVERT YOUR NATIVE CAD DATA TO 3D PDFS

Tetra4D Enrich incorporates the latest version of Tetra4D Converter, allowing you to convert over 20 of the major CAD formats to native 3D PDF (incl. CATIA®, SolidWorks®, NX™ and neutral formats). Users can make 3D measurements, comments and create new views to improve collaboration.

### NOW ANYONE CAN CREATE INTELLIGENT 3D PDFS

Tetra 4D Enrich allows anyone, even non-CAD users, to create rich, interactive 3D PDF documents. And because it doesn't require programming expertise, users can create advanced 3D PDFs in record time. Insert a 3D CAD model, bill of material and view carousel with the click of a mouse.

> "Previous work instructions would take us at least 1 month to complete. With Tetra4D in place, we cut 75% of that time and can now output 3D work instructions in less than a week."
>
> – Randy R., Manufacturing Engineer, Toshiba

> "No paper trail or binders–inspection done, checked back in and back to engineering it goes. After seeing a few similar scenarios of what is possible using Enrich, there's no doubt that 3D PDFs should become more important in the design to manufacturing workflow."
>
> – SolidSmack.com

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TETRA 4D ENRICH | TETRA 4D AUTOMATE

## 3D File Formats Supported for Import

| File Format | Version** |
|---|---|
| ACIS (SAT) | Up to 2021 |
| Autodesk AutoCAD (3D only) | Up to 2019 |
| Autodesk DWF | Any |
| **Autodesk Inventor** | **Up to 2023** |
| CATIA V4 | Up to V5-R2020 |
| **CATIA V5** | **Up to V5-6R2022** |
| CATIA V6 | Up to 2011 to 2013 |
| FBX | ASCII: 7100 to 7400. Binary: all |
| GL Transmission Format | 2.0 |
| I-deas | Up to 13.x (NX 5), NX I-deas 6 |
| IGES | 5.1, 5.2, 5.3 |
| **JT** | Up to **10.6** |
| **Parasolid (X_T)** | **Up to v34.1** |
| PRC | All versions |
| **PTC Creo** | Pro/Engineer 19.0 to **Creo 9.0** |
| PTC Pro/ENGINEER | Up to Widfire 5 |
| **REVIT** | 2015 to **2022** |
| Rhinocerus (Rhino) | 4, 5, 6, 7 |
| **Siemens PLM Software NX** | v11.0 to NX 12, **up to NX 2206** |
| **Solid Edge** | V19, V20, ST to ST10 - **up to 2022** |
| **SolidWorks** | **Up to 2022** |
| STEP | AP 203 E1/E2, AP 214, AP 242 |
| STEP XML | All versions |
| STL (Stereo Lithography) | All versions |
| U3D (Universal 3D) | ECMA-363 (1st to 3rd editions) |
| VDA-FS | V1.0, V2.0 |
| VRML | V1.0, V2.0 |
| Wavefront | Any |
| **3MF** | **1.2.3** |

**Updated: Mai 2022/Oct 2022

## 3D File Formats Supported for Export

| File Format** | File Extension |
|---|---|
| 3MF | 3MF |
| ACIS*** | SAT, SAB |
| FBX*** | FBX |
| **gITF** | **GLTF, GLB** |
| **HTML5 (2020)°** | **HTML** |
| IGES | IGS, IGES |
| JT | JT |
| Parasolid | X_T |
| PRC*** | PRC |
| STEP | STP, STEP, STEP.Z |
| STL (Stereo Lithography) | STL |
| U3D (Universal 3D) | U3D |
| VRML | VRML |
| WaveFront*** | Obj |

***Tetra4D Enrich Only
° Tetra4D Automate Only

## Supported 2D File formats

| File Format | File Extension |
|---|---|
| AutoCAD* | 2008 - 2011 |
| Autodesk DWF* | 2008 - 2011 |
| Autodesk DXF* | 2008 - 2011 |
| CATIA V5 Drawings | Up to R19 |
| HP Graphics Library | |
| PostScript | PostScript |
| Siemens NX - 2D | Up to NX 6 |

*Supported natively by Acrobat Pro DC

## Supported Languages

English, French, German, Japanese, Korean, Portuguese, Italian, Spanish, **Chinese**

# SYSTEM REQUIREMENTS

1.5GHz or faster processor
Adobe Acrobat Pro (32 bit) DC 2015; Acrobat 2017/2020 Pro or Acrobat 2022 Pro (64 bit)
Microsoft Windows Operating System: Microsoft® Windows 7 (32 and 64 bit);
Windows 8.1 (32 bit and 64 bit); Windows Server® 2008 R2 (64 bit) or higher and Windows 10 (32 and 64 bit) or Windows 11 (64 bit)
1 GB of RAM | 200MB of available hard-disk space | 1024×768 (minimum) screen resolution

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# CONTACT IN GERMANY | AUSTRIA | SWITZERLAND

SQUIDDS - your 3D expert for licenses, services and solutions | www.tetra4d.de | Tetra4D VAR

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