

# PDF Association

PDF Products & Services 2019  
Showcasing the diversity of electronic document solutions





# **PDF Association**

PDF Products & Services 2019

Showcasing the diversity of electronic document solutions





# PDF Products and Services 2019

3D PDF Consortium

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Antenna House

Artifex

axaio software

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*Members of the PDF Association*



# “Just PDF it” – the cultural meaning of PDF

*(adapted from “A Technical and Cultural Assessment of the Mueller Report” on pdfa.org)*

Everyone knew that the US Department of Justice would release the Mueller Report as a PDF file. It’s safe to say the DoJ never even considered other options. No one suggested a Word file, or a set of TIFF images, or a website, or an XPS file, or EPUB, or plain text.

They simply assumed they’d use PDF. Why?

## **Authenticity**

Mueller needed to unambiguously “freeze” or fix his document for the purposes of submitting a report. PDF is the only mainstream document format offering this capability.

Why is fixed-ness (“rendering”) so important? It contains the clues humans use to judge authenticity, such as dates, logos and signatures, and in many other, more subtle ways related to layout and formatting. This is why people exchange contracts rather than simply share access to a web page. The need for a rendering made it easy to predict that DoJ would release a PDF, and would never have considered a DOCX, or posting the text as HTML on a website.

Choosing PDF assures the press and the public that they are seeing Mueller’s actual report.

## **Redaction**

PDF is the only electronic document format that fully supports redaction; there’s no model for redaction in web content or other formats.

## **Infrastructure technology**

Almost every business in the world relies on PDF for documents as much as they rely on electricity to power their lights; the format is integral to the communications infrastructure of the modern world.

## **There is no substitute**

PDF is the only format capable of carrying the cultural and technical requirements for important communications in the modern age. With unmatched flexibility, and with ever-richer applications emerging all the time, the future of PDF technology looks bright.

Supported by Electronic Document Conference sponsors, this book samples the extraordinary breadth of commercial offerings available for PDF technology.

*Duff Johnson, Executive Director*



# 3D PDF CONSORTIUM

## 3D PDF Consortium

*The best 3D digital transformation strategy starts with PDF*

15 years ago, Adobe added 3D to PDF and made it easy and inexpensive to share 3D data. Today, PDF is an ISO standard document format being used by manufacturers around the world to transform the way they share digital 3D CAD data with the supply chain.

The 3D PDF Consortium is the ANSI and ISO accredited secretariat for the PDF standard (ISO 32000) and is dedicated to driving the adoption of PDF solutions. The Consortium works with the ISO technical committee (TC 171 SC 2) to continuously evolve the PDF standards to keep pace with modern 3D technologies like Model Based Definition (MBD), the Digital Twin and Industry 4.0. Members include manufacturing companies, software developers, academic and government organizations with a shared interest in developing and implementing open 3D standards.

To find out more about 3D PDF and how it enables digital transformation, contact us at [info@3dpdfconsortium.org](mailto:info@3dpdfconsortium.org) or visit our website at [www.3dpdfconsortium.org](http://www.3dpdfconsortium.org).



# The best experience starts with the best PDF tools.

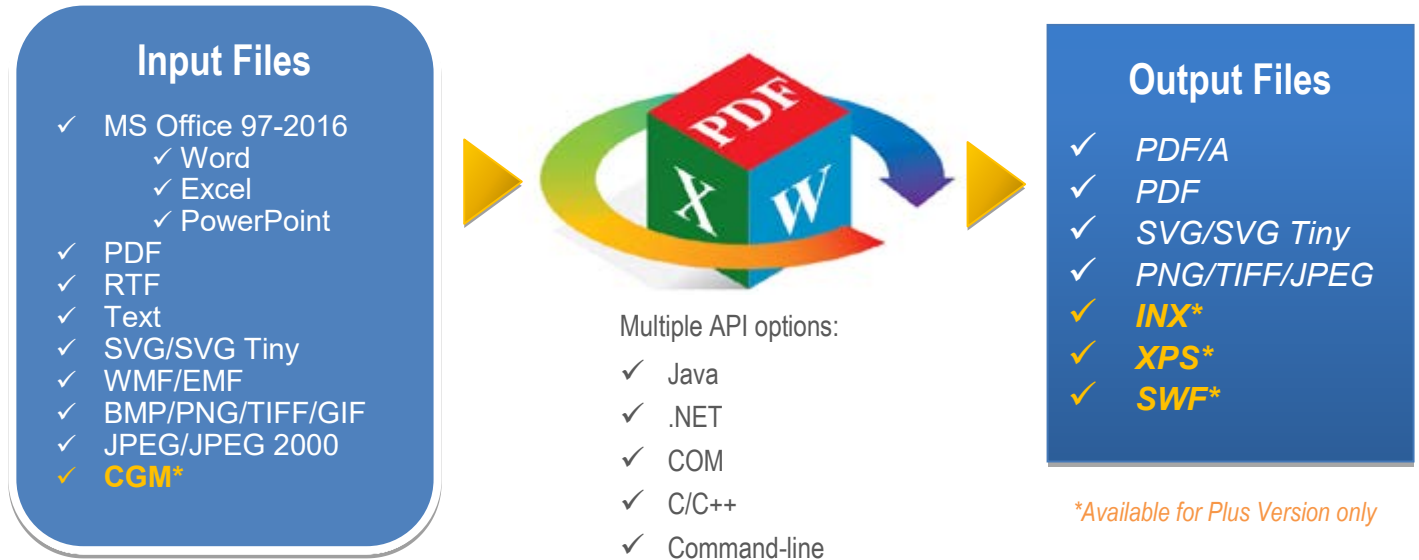
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Adobe Acrobat Pro DC

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The Enterprise Server Solution for Document Conversion



## Convert Documents to PDF without MS Office or Adobe Software

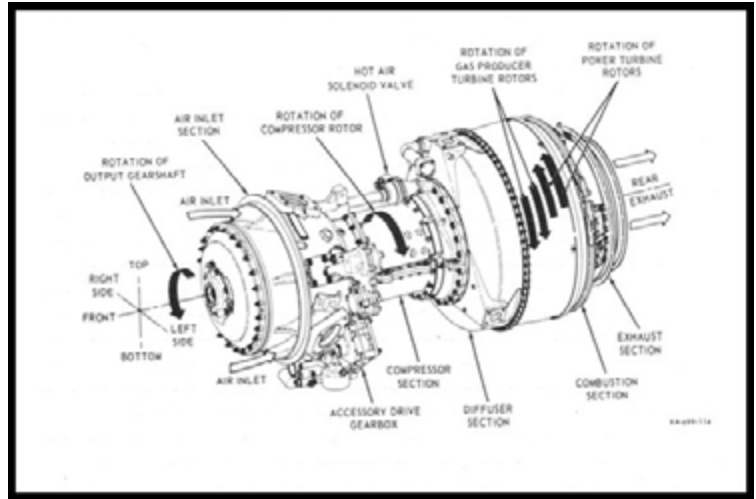
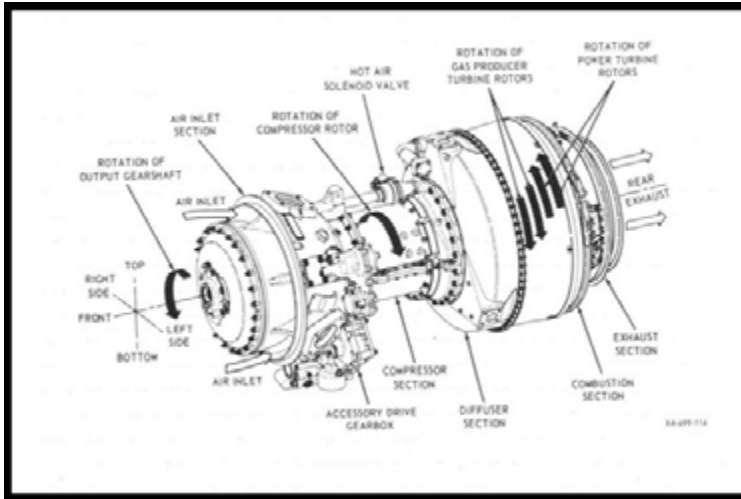
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- Supports BIDI languages
- Automated thumbnail creation
- Easy system integration with Command-line, .NET, COM, Java and C/C++ interfaces

## Available for Windows & Linux



# CAN YOU FIND THE DIFFERENCE?

## AIRCRAFT ENGINE MODEL



Every organization producing **PDF documents** has a universal requirement to do regression testing of the visual output of their systems. As software evolves and improves over time, the possibility of newly, unwanted behavior occurring always exists. The two illustrations above feature an aircraft engine produced from an original and updated software. You might not see the difference with the naked eye, but there is missing information in the second image. This small, but **significant error** could stretch over **thousands of documents** and lead to major problems if left undetected. The automated Antenna House Regression Testing System can quickly compare thousands of pages of **PDF documents** and find even the smallest visual difference. AHRTS is now available for you to try!

## Antenna House Regression Testing System

- Automated **PDF to PDF** Visual Comparison
- High Speed Performance
- Catches 100% of the Differences
- Compares PDFs on a **Visual Level**
- 90%+ Reduction in Regression Testing Time
- Able to Test More Often with **Increased Reliability**
- Generates Customizable Reports with **XML & XSL-FO**





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Over the past twenty-five years, Artifex has built a strong reputation as a trusted creator, partner, and provider of essential technologies to major printer manufacturers, document management solution companies and PDF solution providers. Built on innovation and experience, our solutions take your project from good to great.



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OF TECHNOLOGY INNOVATION

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Build powerful PDF, document management, and print products with our multi-platform, highly versatile, and customizable solutions.



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The modular graphic's library, proprietary color management system, advanced screening technology, and our new Cobalt Acceleration Library™ make Ghostscript the most flexible and robust print/conversion/rendering solution available. Trust Ghostscript to deliver consistently accurate color, extraordinary print quality, and superior PDF conformance.



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MuPDF is a highly versatile, customizable PDF and XPS interpreter solution that can be used across a wide range of applications as a PDF renderer, viewer, or toolkit. The tiny footprint and lightning fast performance makes MuPDF a perfect fit for mobile browser, e-book, and embedded applications where small size is key.



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*Making Content Accessible*

**axaio MadeToTag** is an Adobe InDesign plug-in to properly prepare and export InDesign documents as accessible and tagged PDF files – much easier, faster and more reliable. Although it is possible to export to a tagged PDF using Adobe InDesign's built-in features, MadeToTag provides important additional features that simplify, secure and accelerate the

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**axaio MadeToPrint** is the intelligent print and export solution for publishers, printers, ad agencies and the packaging industry, to standardize and automate the output from within Adobe InDesign/InDesign Server, Illustrator, InCopy and QuarkXPress. Output settings are configured once by a

responsible person to guarantee secure and consistent output results. The automation process is based on a hot folder support, i.e. processing without any manual control. In addition MadeToPrint includes connectors to publishing systems, e.g. WoodWing Enterprise, vjoon K4, Quark Publishing Platform.

## MadeForLayers

*Efficient Layer Organization*

**axaio MadeForLayers** is a plug-in for Adobe InDesign and Illustrator which simplifies the creation and editing of layer-heavy documents. It reduces human errors by combining layers into layer views, showing e.g. different language or regional variants of a document with a single mouse-click.

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## MadeToCompare

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**axaio MadeToCompare** provides an ideal change and version management solution for editorial and corporate environments as well as for the creation/tracking of business reports. Typically when working with several editors on a large number of texts, you need to constantly track and visualize revisions,

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# callas

## Your PDF problems solved

**callas software** finds simple ways to handle complex PDF challenges. As a technology innovator, callas software develops and markets PDF technology for publishing, print production, document exchange and document archiving. callas software was founded in 1995 and is based in Berlin, Germany.

Agencies, publishing companies and printers use **callas pdfToolbox** to preflight, correct and repurpose PDF files for print production and electronic publishing.

Businesses and government agencies all over the world rely on **callas pdfaPilot** future-proof, fully PDF/A compliant archiving.

In addition, callas software technology is available as a programming library (SDK) for developers with a need for PDF optimization, validation and correction. Software vendors, such as Adobe, Quark, Xerox and many others, have understood the quality and flexibility provided by these callas tools and have incorporated them into their solutions.

callas software actively supports international standards and has been participating in ISO, CIP4, the European Color Initiative and the Ghent PDF Workgroup. callas software is a founding member of the PDF/A Competence Center.

### PRODUCT INFORMATION



#### pdfToolbox

**pdfToolbox** deals with any kind of PDF task or requirement in pre-press and print production. It allows for preflight, corrections and imposition. In addition, it has several features to add the finishing touch to your PDF, e.g. adding barcodes (or other page content) or automatically deriving white or varnish forms from the existing page content.

Automation is at the core of **pdfToolbox**. **pdfToolbox Server/CLI** can be integrated, using hot folders or command-line. **pdfToolbox SDK** on the other hand is a programming library. The interactive **pdfToolbox Desktop** is available as a plug-in for Adobe Acrobat Pro or as a standalone application.



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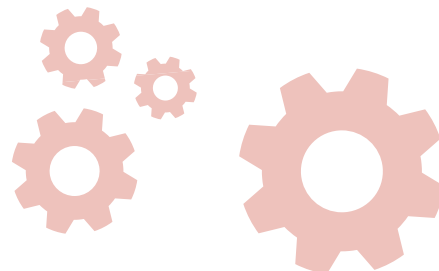
#### pdfChip

**pdfChip** is a command-line application that creates high-quality PDF from HTML. It supports all HTML features, but extends to support CMYK, spot color, XMP metadata, PDF standards, SVG, MathML, barcodes ...



#### pdfGoHTML

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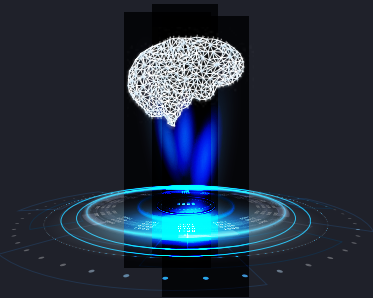
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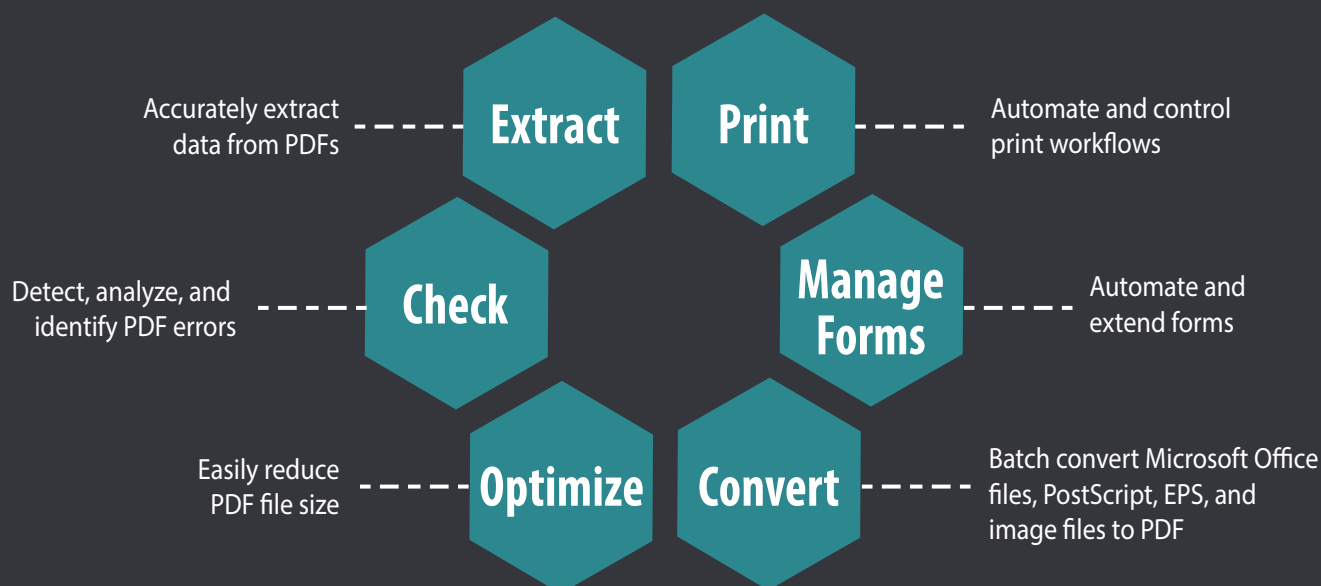


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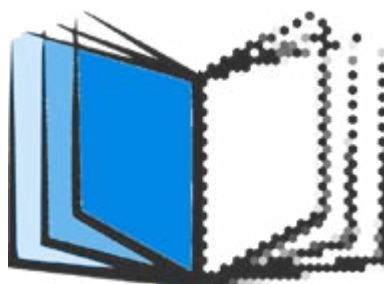
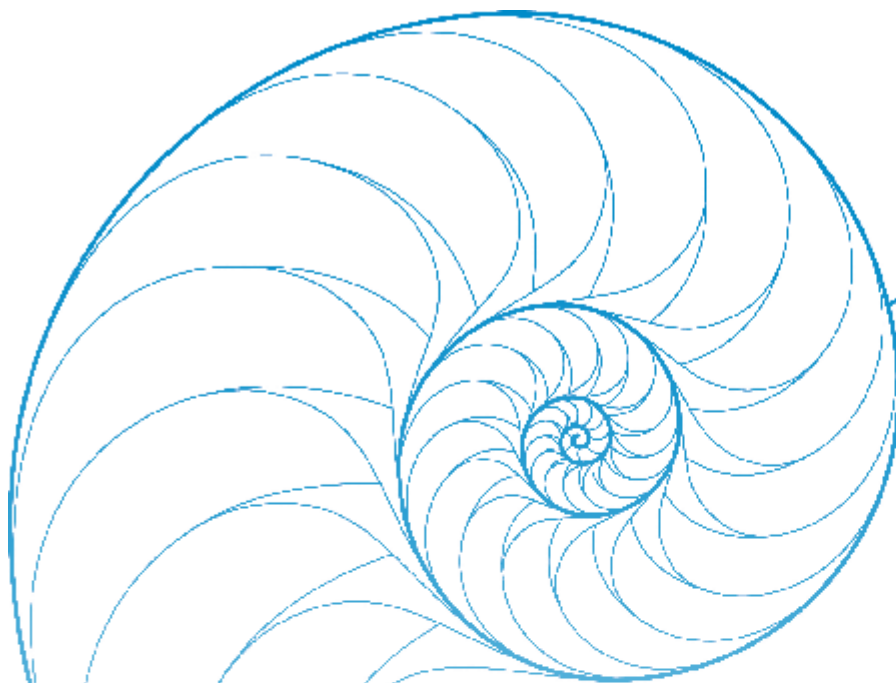


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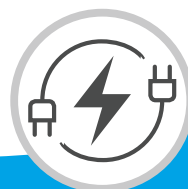
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# Harness the power of PDF

## Automate PDFs in your digital document workflow

We at iText are passionate about PDF. We want to enable developers to create powerful PDF driven processes, and we make this possible with iText 7 Core. Available for Java and .NET, iText 7 offers new features, plus easier creation and editing through a greatly improved document model and layout engine for your high volume or high availability/speed document processes. iText 7 also offers you both high and low level API editing, so you can dive down into the details or keep a broader view depending on your needs.



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<b>pdfXFA</b>	Program and flatten dynamic forms
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<b>pdf2Data</b>	Extract data from PDF
<b>pdfSweep</b>	Securely redact confidential data
<b>pdfDebug</b>	Developers tool for debugging PDF

### Product:

<b>iText DITO</b>	Template engine that converts data into iText-quality PDFs
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“

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Andrew Clowes,  
CIO at JLL Australia

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## Member benefits

### Technical resources

- *Technical Working Groups*
- *Technical notes*
- *Application notes*
- *Test suites*
- *Reference suites*
- *Best practices*
- *Interoperability workshops*
- *Technical conferences*
- *Participation in ISO committees*
- *Open-source validation software*

### Marketing resources

- *Company profile on pdfa.org*
- *Products and services listing on pdfa.org*
- *Post thought-leadership articles and educational content*
- *Post announcements and other news from your company*
- *Sponsor industry events*
- *Receive discounts on events*
- *Industry networking*
- *Use of the PDF Association members' logo*





Everything we do is driven by passion for software development and the challenges it brings

# PDF & PDF/A

**What's in it for you?** Creating a legally conform digital long-term archive does not mean having to redesign the infrastructure of your entire document process. Thanks to numerous interfaces and product variations, our components can be easily integrated, expanded and scaled in existing environments.

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## Passion

PDF Tools AG is backed by a dedicated team. All of our employees are passionate about software development and overcoming its challenges. We work together closely in the different disciplines at our headquarters in Switzerland, and we also enjoy the support of a global network of partners.

Our engineers in the fields of electrical engineering, mathematics and software engineering are united by a passion for sophisticated and powerful software. All development activities are performed in-house at PDF Tools AG in Switzerland to shorten communication pathways and accelerate decision-making processes.

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Our products are continuously developed to meet the latest requirements of our customers and the market. Constructive dialog between our customers and developers allows us to identify trends and requirements quickly and to apply this knowledge when planning and improving our products.

As the Swiss representative on the ISO committee for PDF/A and PDF, and a founding member of the PDF Association, we incorporate our knowledge directly into product development.



# 3-Heights™ PDF WEB VIEWER

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The 3-Heights™ PDF Web Viewer API is a compact, high-performance, high-quality javascript PDF viewer. It offers a multitude of navigational and display options for displaying documents.

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# 3-Heights™ PDF QUALITY GATE

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The 3-Heights™ PDF Quality Gate solutions support companies to assure a reliable quality in records management. An enterprise's information resides partially in the heads of its employees and partially in documents and other non-volatile forms.

For many enterprises, business documents represent fundamental elements of many processes. Therefore, ensuring long-term document quality in records management by means of an enterprise-wide Quality Gate is of strategic relevance.

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## WHAT IS A 3D PDF?

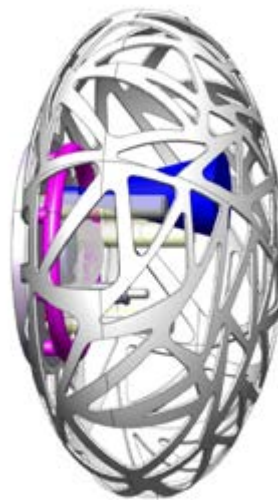
A 3D PDF is a standard Adobe PDF document that contains interactive 3D content.

## WHY YOUR COMPANY NEEDS 3D PDFs

Once a CAD drawing has been converted and embedded into a 3D PDF, the drawing can be viewed without need for the original application or a special viewer. Therefore, 3D drawings can be shared with other departments easily and cost-effectively.

## BENEFITS OF 3D PDF

- Conversion to PDF retains visual integrity
- Archive documents easily for regulatory/compliance
- Embed Office, Graphics, CAD and more



Doc Number	Doc Type	Doc Part	Version	Status
1000000000000	SPW	000	01	RI

Design Date:	23.01.2018	Approve Date:	23.01.2018
Designed by:	Christian Raffas	Approved by:	Werner Farina

OEM	RA internal charges
Customer	Roaching Internal
Partnumber	PRODUCT 1
Partdescription	WATER INJECTION TANK
Productgroup	EN - Hydraulic System
OEM Revision	
Project number	
Vehicle/Platform/Engine	RA internal charges
Assignment	SL5 Rapid Prototypes
CAD Volume [cm³]	0.00
Carryover/Standardpart	
Safety Part	NO

Bill of Materials	
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1	1000000000000/000/000/000 SL5R001 1
2	1000000000000/000/000/000 SL5R002 1
3	1000000000000/000/000/000 SL5R003 1
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Properties	
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Version	
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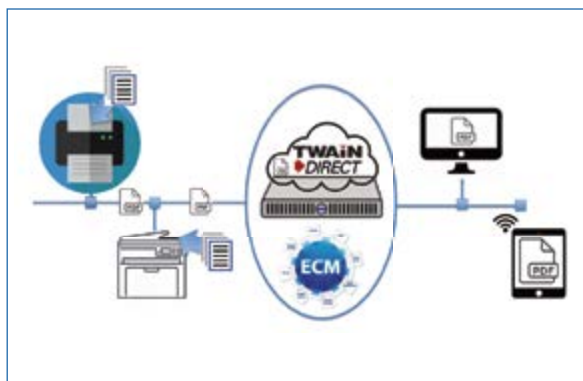
Hide selected	One Level up	Isolate selected	Show All	Next Level Structure List
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### Application Developers and Scanner Manufacturers

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### DEVELOPER & INTEGRATOR TOOLS

## Explore the Leading Vector PDF API's

**PDF Conversion SDK** - With just 2 API calls, add PDF import and edit functions to your application or service. The Conversion SDK extracts objects and text from PDF pages and renders them in vector formats such as DXF, SVG and WMF. Add the Custom PDF SDK to work with your proprietary format. Also available as a command-line server for automation projects.

**PDF Creation SDK** - Generate PDF from files (PostScript, PDF, EPS, AI, WMF) or from data. Includes full API for creating PDF from "scratch". Add objects such as watermarks and stamps. Combine pages, separate layers and split files.

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# Lower Software Management Costs

From productivity gains to lower licensing and IT support costs, PDFelement enables you to standardize on a single PDF solution at a fraction of the cost of Adobe® Acrobat®.

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Standardizing from multiple PDF editors to a single product solution lowers support overhead.

## Lower TCO

Perpetual licensing delivers faster ROI and reduces your TCO by an average of 60% relative to your Adobe® Acrobat® agreement.

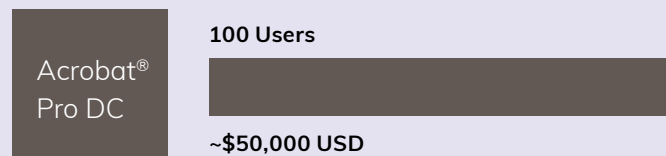
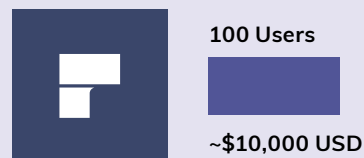
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## Reduce Operational Costs

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## Total Cost of Ownership (TCO)



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License Type	Perpetual	Perpetual	Perpetual
Licensed Per	Named User Profile	Named User Profile	User Profile
Installation	Single license key	Server license Key	Open license key
License Management	Online tool to easily manage licenses and users	Online/Offline license manager tool for virtual/terminal servers	Online/Offline license management
Software Assurance	2 years (Optional)	2 years (Optional)	2 years (Mandatory)







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