

PDF3D Adds VTK Integration for Interactive 3D PDF Documents

PDF3D Software Development Kit now includes Visualization ToolKit (VTK) integration for technical report generation to PDF files with the novel ability to inject interactive 3D models into new or existing PDF files.

London, UK, January 22, 2008 -- The PDF3D® SDK development kit from Visual Technology Services now includes VTK (Visualization Toolkit) integration, allowing VTK interactive 3D scenes to be published as interactive 3D PDF files. VTK is a software system for 3D computer graphics, image processing, and visualization used by thousands of researchers and developers around the world. Data analysis and 3D visualization applications using VTK can now easily be extended to publish interactive PDF documents, fostering improved collaboration, communication and technical information exchange.

VTK 5 plus PDF3D® SDK 1.4.2 supports application development including full documentation and source examples. VTK pipeline 3D windows can be injected as new view ports into new or existing PDF files, giving users flexible options to generate technical reports. 3D PDF reports may be freely distributed and viewed by anyone with the Adobe® Reader. The VTK interface generates PDF files in one step, without intermediate files by connecting directly to the VTK render window pipeline. Supporting 3D geometry, lines, surfaces, textures, labels, shaded vertex colors, transparency and alpha-blending, the interface can be added in just a few lines of code using the `vtkPDF3DExporter()` class. The output PDF can also include title, caption and other automatically generated annotations and may be presented with full 3D interaction inside a PowerPoint presentation. The VTK and PDF3D integration is currently used in a Geophysical modeling application and is expected to be applied to fields such as Geology, Aerospace, Engineering, Environmental GIS and Medical Imaging.

PDF3D is used by scientists, engineers, researchers and software vendors to enable improved communication through the PDF standard, with immediate availability. The release comes with a complete suite of interfaces, ready-to-use applications, source code examples and full documentation. PDF3D-SDK is available for OEM/ISV integration within commercial products and server deployment. Other interfaces and data format bridges are also available, such as Open Inventor, STL, VRML, AVS/Express and Coin3D; while the PDF3D® SDK allows integration into any application with 3D geometric entities through the C++ development API. Pricing on request.

About PDF3D

PDF3D is a specialized technical publishing technology from the dynamic and innovative Visual Technology Services with unique visualization skills specializing in the delivery of customer solutions with specialized analysis, leveraging skills and IP in interactive graphics, novel display techniques and data visualization with clients in mechanical engineering analysis, defense, aerospace, nanotechnology, microelectronics, material science, geology and geophysics. The ISO9001:2000 certified professional services team is available for enhanced solution development.

Contact Details:

PDF3D, Visual Technology Services Ltd.

Tel: +44(0)7787 517529, Email: info@pdf3d.co.uk, Web: www.pdf3d.co.uk