

PDF3D Toolkit Adds Unified 3D File Conversion Architecture, Linux, Image Loading

PDF3D-SDK Version 1.5.0 includes an application architecture for conversion of 3D files, new Linux and Visual Studio 2008 support, multi-format image loading and many technical improvements in PDF3D document generation.

London, UK, May 2, 2008 -- PDF3D® technology enables publishing interactive 3D PDF documents, harnessing the free Adobe® PDF Reader. A new file conversion application and development tool architecture converts 3D models from 3DS, STL, VRML, IV formats to 3D PDF. In a significant advance, several Linux platforms are now supported including Red Hat Enterprise and Ubuntu, along with the latest Visual Studio 2008 suite from Microsoft. A new image file loader supports embedding TIFF, JPEG, PNG and BMP images in both the 2D and 3D PDF layers. This release from Visual Technology Services further empowers knowledge transfer and collaborative sharing of 3D technical analysis to teams across the enterprise through standard PDF documents.

PDF3D SDK version 1.5.0 includes the following new features:

- Red Hat Enterprise version 3.9 and Ubuntu 7.10 are now supported for C++ software development enabling 3D PDF generation. Developers may now integrate PDF3D into their own Linux applications, add their own user interfaces, or create command-line conversion services.
- A new unified 3D file conversion architecture streamlines and supports a number of interface types, where the PDF3D-SDK library services take care of most of the common functions. A new interactive application is supplied with the toolkit on Windows, allowing users to experiment with 3D PDF file generation.
- Image File loading from JPEG, PNG, BMP and TIFF format images may now be loaded directly from file, using PDF3DImageLoader class. Visual quality of texture images is enhanced by the addition of alpha-blending, enabling complex variable transparency on 3D objects, taking full advantage of hardware graphics features for displaying textures. Images may also be placed on the PDF page, supporting logos, legends, or photographs.
- For users wishing to make presentations, a new component is included allowing 3D PDF interactive documents to be shown within a live PowerPoint presentation, along with a sample of such a presentation.

“Version 1.5 has many features requested by developers using 3D PDF functionality to their applications” noted Ian Curington, CEO of Visual Technology Services Ltd. “PDF3D models can now be generated on technical Linux desktops and servers; generating reports where users can rotate, zoom, pan, set transparency, explore and review analysis results on 3D models all within the Adobe Reader or PowerPoint presentation.”

PDF3D SDK 1.5.0 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. 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.

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