

## NEW RELEASE ANNOUNCEMENT

### **PDF3D Toolkit Updated for Improved Visual Quality, Glyph Markers**

*PDF3D-SDK Version 1.3.1 is released with immediate availability for document generation to Adobe PDF files with fully interactive 3D embedded windows.*

London, UK, August 3, 2007 -- PDF3D® technology enables publishing interactive 3D technical visualization, designs and data, harnessing the free Adobe® PDF Reader. The development toolkit PDF3D SDK version 1.3.1 now includes the following new features:

- 3D Geometric “Glyph” shapes, for use as markers. These include the dynamic generation of standard shapes such as cubes, spheres, cylinders, arrows, axes, etc. This greatly simplifies the creation of 3D scenes that require markers. Each marker can be placed, oriented and scaled to a unique position.
- A number of important aspects of 3D lighting, shading and object surface color have been upgraded, presenting an overall higher standard of visual quality. The deep, rich saturation of primary colours is improved, which now appear brighter and provide visual clarity. Upgrades to 3D rendered texture maps are now in place, which match the assumptions used by the Adobe DirectX 3D rendering in the free Adobe Reader. A new “Pre-Shader” facility has also been added which is able to predetermine shading of complex 3D surfaces at the time of PDF file generation.
- A new “Default View” system is able to spatially locate and centre any provided collection of 3D objects, such that a default camera view when the document is opened will provide an overview of the scene. This automatic procedure saves time and complexity from host applications which previously would have had to compute such default views.
- The release also includes numerous bug fixes, utility classes, improved documentation.

The release comes with a complete suite of examples with source code, an 89-page technical manual and full API reference documentation. PDF3D-SDK is also available for OEM/ISV integration within commercial products, or for server deployment.

A suite of examples is now available as an online gallery, see the website for details.

### **About PDF3D**

PDF3D is a division of Visual Technology Services Ltd., a product and service company specializing in interactive graphics, novel display techniques and data visualization with clients in mechanical engineering analysis, nanotechnology, microelectronics, material science, geology and geophysics.

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