



PDF3D Offers Independent PRC 3D PDF Generation

PDF3D® Version 2 series offers generation of PRC 3D PDFs in applications and development toolkit library from independent 3D component vendor.

London, UK, November 1, 2010 – PDF3D® Version 2 includes high performance PRC (Product Representation Compact) encoding for 3D models published as interactive 3D PDF documents. Visual Technology Services' new release includes unified PDF3D library design, including U3D (Universal 3D) with Right Hemisphere® Compression, Precise PRC, and PRC Highly Compressed Tessellation (HCT) encoders, selected by a simple type parameter. The new encoders enable more efficient generation and dramatically smaller files than original CAD models or previous generation U3D encoding.

“The level of compression makes it practical for us to supply clients and partners with high resolution PDFs via email that don't sacrifice quality, enabling them to view data in new ways as well as to explore the potential of the analysis and visualisations that HR Wallingford can offer. Previously files of this resolution and quality would have required transfer by FTP or physical media.” states Stephen Wells, HR Wallingford Support Services Group Manager.

This independent PRC generation exceeds the compression rate of other existing PRC workflows, extends the functionality of PDF3D's visuals, and altogether avoids the requirement of additional packages on end-user desktops. Typical manufacturing STL files are reduced by twenty times without removing any polygons. Functional extensions include animation, anti-aliased raster billboard annotation labels, custom scene lighting, gradient backgrounds, flash-based 3D content menus. Full time-dependent model sequences and key-frame movement animation are now far more practical with PRC-HCT encoding.

PDF3D (www.pdf3d.com) generates PRC 3D PDFs by implementing the published ISO-24517-1:2008 PDF/Engineering draft standard, insuring interoperability between vendors. The PRC 3D PDFs can be created using the PDF3DReportGen desktop application or with PDF3D-SDK (Software Development Kit). Both the toolkit and application support Windows® and Linux 64-bit platforms. The SDK is designed to integrate with a wide variety of frameworks.

The dramatic rise of rich interactive media within PDF documents is now serving the needs of technical, scientific, aerospace, general machinery, automotive and manufacturing communities, as rich 3D PDF documents with new vastly improved PRC-HCT compression enable greatly expanded workflows, make new applications possible and extend the reach to remote enterprise teams and clients.

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