

**PDF3D Toolkit Includes AVS/Express 7.2 Integration Module for Interactive 3D PDF Documents**  
*PDF3D Software Development Kit now includes AVS/Express 7.2 integration module for technical report document generation to Adobe PDF files with the novel ability to inject fully interactive 3D embedded windows.*

London, UK, November 06, 2007 -- Coincident with the release of AVS/Express® 7.2 by Advanced Visual Systems Inc., the PDF3D® SDK development kit from Visual Technology Services includes AVS module integration, allowing interactive 3D scenes to be published as interactive 3D PDF files.

AVS/Express 7.2 plus PDF3D® SDK supports module development under Visual Studio 2005 and includes interfaces to Vis5D weather simulations, CGNS, HDF5, DXF, and many other data formats. The "avs\_to\_pdf3d" module connects directly to any Viewer3D in Developer or Visualization Editions. Where titles and captions are specified, any URLs within the text are automatically converted to links in the output PDF file. AVS scenes can also be "injected" as extra view ports or new pages into existing PDF files from other sources - giving users a powerful way to generate technical reports.

This is just one of a number of interfaces available, which include VTK, Open Inventor, STL and VRML; while the PDF3D® SDK API allows integration into any application with 3D geometric entities through the C++ development API.

A critical challenge is communicating and interpreting complex (visual) analysis between experts and other project stake holders in a standard environment. How can we improve on flat static (PDF) documents plus proprietary external 3D viewers? The free Adobe® Reader (the global standard PDF document viewer) now supports embedded interactive 3D objects with good resolution and interactivity. With this new interactive capability key results can be examined and evaluated in 3D fostering further collaborative discussion without resorting to distributing proprietary viewers to the team or clients.

PDF3D® technology enables publishing interactive 3D technical reports, harnessing the free Adobe® PDF Reader. Existing PDF reports can now be edited in-place to include 3D view ports onto 3D models. Technical reporting allows full text annotation generation and legends to accompany 3D view ports. This release from Visual Technology Services empowers knowledge transfer and collaborative sharing of 3D technical analysis to teams across the enterprise through standard PDF documents.

A number of AVS/Express generated PDF files can be found in the on-line gallery. We now recommend Adobe Reader 8.1 for best results.

#### **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.

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