

Toolkit Enables 3D Geologic Models Inside PDF Documents

E&P Workflow Software can now use the PDF3D Library to add "Save As 3D PDF" to Geoscience Applications, extending the reach of interactive 3D structural models using the Free Adobe® Reader.

London, UK (PRWeb) November 22, 2006 -- E&P Workflow Software can now use the PDF3D Library to add "Save As 3D PDF" to Geoscience Applications, extending the reach of interactive 3D structural models using the Free Adobe® Reader.

PDF3D™ (www.pdf3d.co.uk) technology enables publishing 3D structural geologic models, harnessing the free Adobe® PDF Reader. The development tool from Visual Technology Services covers the complete path from 3D interpretation and modeling data structures to publishing 3D PDF interactive content.

A critical Oil & Gas industry challenge is communicating and interpreting complex (visual) models between Geologists & Geophysicists and project stake holders in a common standard platform. How can we improve on flat static documents plus external 3D viewers specific to proprietary data formats?

The free Adobe® Reader (the global standard PDF document viewer) now supports embedded interactive 3D surfaces with good resolution and interactivity. With this new interactive capability key issues can be examined and evaluated in 3D fostering further collaborative discussion before resorting to ultra-high resolution media.

Our team has developed a framework that allows software developers and suppliers to directly export geological/geophysical 3D objects inside PDF documents populated with supporting textual information, such as GoCAD™ or basin models. The robust PDF3D framework provides a short integration window to allow ISVs to quickly leverage this exciting new capability with minimum technical resources.

"I am very pleased that PDF3D is available," says Frank Arnott, Managing Director of Oxford Visual Geosciences Ltd. "Our GeoExpress application needs 3D publishing capability because we have experienced geologists and geophysicists navigating through combined 3D geological and geophysical structures and needing to present reports on their findings. We soon hope to use the PDF3D facilities on mineral and petroleum exploration field projects where I'm sure we will see much improved communication and productivity by reporting to our clients in 3D PDF format."

With the addition of the PDF3D Library, applications with 3D data can be extended to publish, share and distribute interactive models through email or the web. With Adobe's ubiquitous support for 3D viewing on Windows™ and Linux, a ready-made platform is available on most desktops ready to receive 3D PDF content. ISVs and application developers can now add "Save As 3D PDF" menus using the PDF3D SDK high-level tool kit. The PDF3D (patent pending) C++ Library is designed for any developer with 3D data to publish. When models are embedded in a PDF file, recipients can rotate, zoom and pan the 3D PDF model while reading the document.

The PDF3D website (www.pdf3d.co.uk) describes how to turn technical earth science 3D objects/data into interactive 3D PDF documents.

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 material science, geology and geophysics.

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