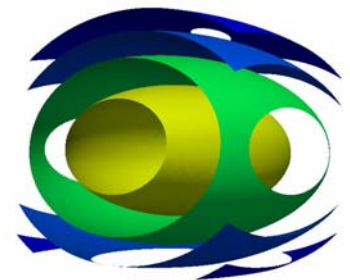
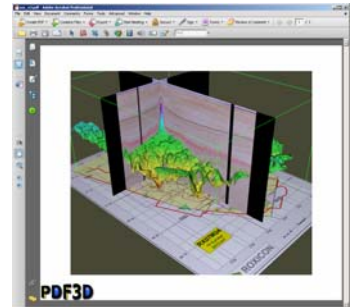


PDF3D® VTK Integration

PDF3D® SDK is a framework that allows software developers to generate 3D interactive models inside standard PDF technical report files. An extension of PDF3D-SDK allows applications based on **VTK** (Visualization Toolkit www.vtk.org) to capture and export scenes using a VTK specific C++ class interface, **vtkPDF3DExporter()**.

When 3D PDF files are opened, direct interactive 3D manipulation of the model representation is possible with a very simple menu built into the **Adobe® Reader**, with nothing to buy, add, download; Adobe have already taken care of the viewer deployment issues.

- Generic 3D PDF Documents produced, no plug-ins required to view
- No intermediate files, no IDTF or U3D files required.
- Direct integration using VTK render window pipeline and actors.
- Conversion Utility /DLL from VTK .3DS file example interface
- VTK “Terrain” source example, export texture mesh scenes to PDF3D
- C# .NET File Converter example using unmanaged DLL.
- VTK 5.x compatibility, CMAKE builds
- 3D Geometry, Surfaces, Textures, Labels, Actor Names in Model Tree
- Transparency, Vertex color shading model, Alpha-Blended Textures
- Mesh compression options
- Inject 3D view into new or existing PDF technical report
- Page layout controls, title, caption, margins
- Component to Show interactive 3D PDFs inside PowerPoint presentations
- OEM / Site Licenses available



vtkPDF3DExporter Class Example:

```
vtkPDF3DExporter *pdf3dExporter = vtkPDF3DExporter::New();  
pdf3dExporter->SetRenderWindow(renderWindow);  
pdf3dExporter->SetFileName("vtk.pdf");  
pdf3dExporter->Update();  
pdf3dExporter->Delete();
```

(Analogous to existing vtkVRMLExporter() class.)

If you have a VTK application you would like to extend, please contact us for a confidential discussion.

Specifications* / Platform / Requirements:

Language, Libraries	C++, headers, libraries, PDF3D-SDK 1.4.2 VTK 5.x
Compiler Environment	Microsoft Visual Studio .NET 2005 SP1
Disk Space	200 Mbytes free space for installation files
Free 3D Viewer	Adobe Reader version 7.0.9 to 8.1
Examples	Fully commented source-code examples included

* specifications subject to change without notice

