Deep Server™

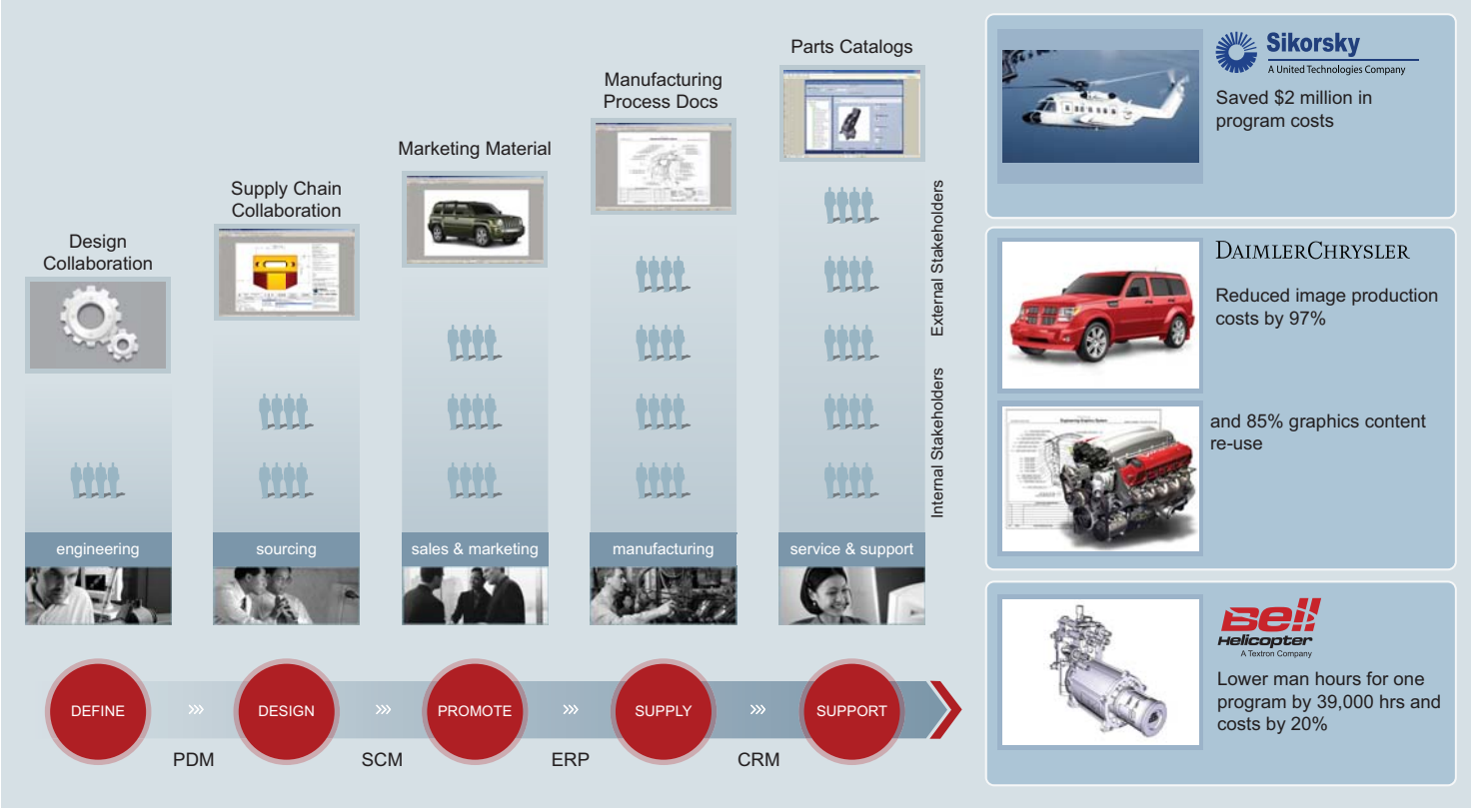
Feature Highlights

- Get control of your product media - The right formats, the right content and right now
- Automate and manage media production processes directly from engineering and ERP data
- Create universal access to all product media and information across the enterprise
- Speed your products to market with better communication and collaboration across all departments

Introduction

The demands of complex products require new communications tools. Existing methods of product related document and graphic media creation are not keeping pace with the demands for faster deliveries and global collaboration requirements. Decisions need to be made faster and across a wider range of departments and geographic locations than ever before. And it is proven, people communicate globally better with images and better still interactive 3D product information.

How to get there? Efficient product media production and management is critical to enable manufacturers to effectively globally source, sell, and service products. The Deep Server system provides this by providing automation and production management tools for 2D & 3D product media. Computer Aided Design and related product data are linked directly to the Deep Server automated media publishing to provide the right data in the right documents at the right time. server. and media management tools help manage any remaining manual publishing and authoring processes.



Efficient product media management and publishing allows manufactures to source, sell and service products more effectively by bridging the product development and product communication worlds.

Right Hemisphere's Deep Server solution helps you:

- Deliver the right documents to the right people on time, and with the right information for efficient decision making
- Automate 2D and 3D product media production processes that are currently manual and eating away at profitability
- Manage product graphics in over 150 leading CAD and media formats - solves compatibility or compliance issues

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Integrate Your Product Development and Communications Applications

Computer Aided Design (CAD)and Engineering Product Data Management Solutions (PDM) have helped to improve dataflow and efficiency in engineering. But the need to communicate to a much wider and larger audience remains.

A solution that is easy to use and access is required; one that hides the compl,exity of data integration and publishing from the user. Data must be integrated from multiple systems and delivered in optimum packages for collaboration communication and decision making.



Deep Server allows companies to source product data from existing CAD and PDM systems, supply product graphics to leading ECM, DCC and DEP applications.

Deep Server Integration Capabilities

Source product data from existing CAD, PDM, and ERP applications

- Reuse CAD models from Dassault Systems, UGS, PTC, Autodesk, and more
- Capture integrate and manage additional product manufacturing attributes such as PMI and GD&T from multiple sources
- Schedule data updates based on business rules

Supply product graphics to leading ECM, DCC, and DEP applications

- Enterprise Content Management applications from EMC Documentum, IBM, Interwoven, Microsoft, Open Text, and Vignette
- Digital Content Creation tools such as 3ds max, Lightwave 3D, Cinema 4D, Illustrator, Maya, Photoshop, XSI, Deep Creator, etc.
- Dynamic Enterprise Publishing applications from Adobe and Arbortext

Managed Integration

- Transaction processing, connection pooling and security
- Service bureau operation with batch oriented processing
- Open APIs – Industry standards such as J2EE, HTTP, SOAP, LDAP and XML

CAD Modules
- CATIA Modules
- UG Modules
- ProE Modules
- JT Module

Enterprise Adapters
- ERP Adapters
- PLM Adapters

Enterprise Connect
- Deep Server Connect

Application Foundation
- Deep Server

Process Automation
- Deep Server

Business Process Templates
- 3D PDF Documents
- Graphical Derivatives
- Publish to Business Apps

Business Applications
- Media Asset Management
- Electronic Parts Catalog

Authoring & Publishing Tools
- Deep Exploration
- Deep Creator
- Deep Publish
- PMI Module
- PDF Module

Visualization & Markup
- Deep View

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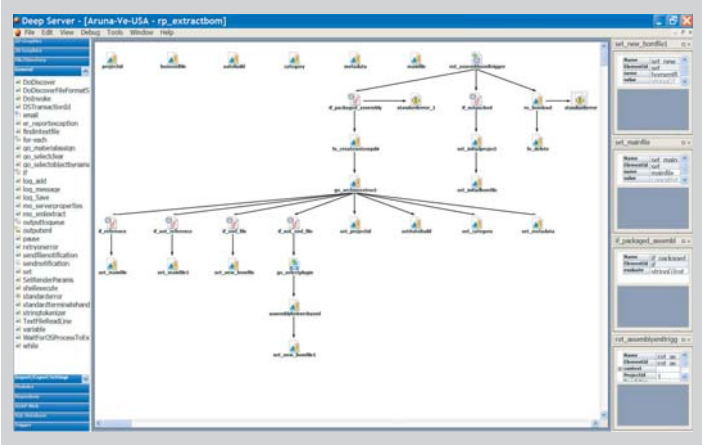
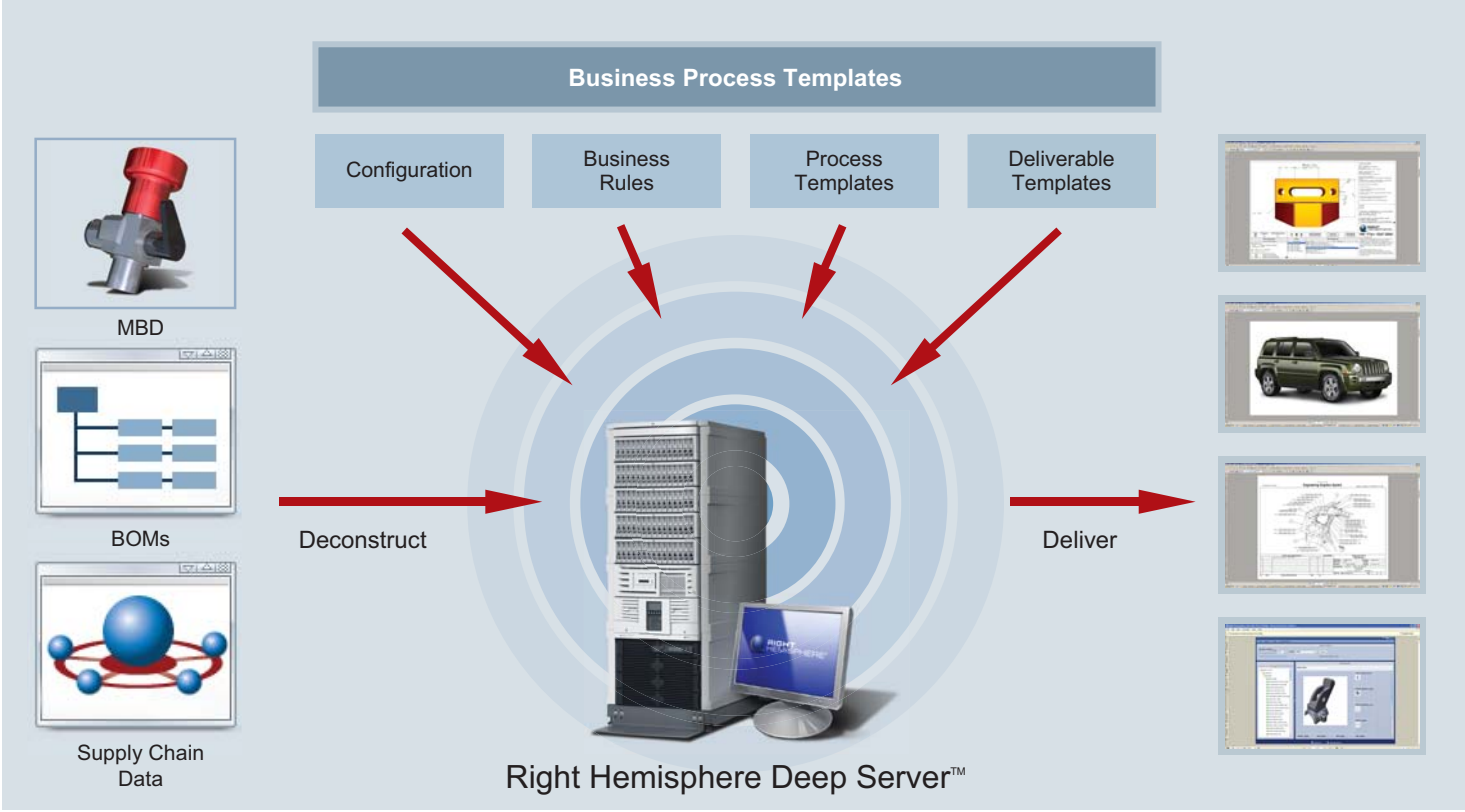
Automate Graphics Processes

The Deep Server Process Designer provides the tools to graphically replicate the data fusion and optimization processes and so automate the processes. This generates huge cost savings and greatly speeds production of product related media.

Using data contrasting templates complex documents can be generated automatically or linked to manual processes to speed content production.

Deep Server also synchronizes product graphics with CAD models as they are designed. This allows product communications processes to work concurrently with product development processes. As your products evolve, Deep Server automatically updates your product media.





Deep Server Automation Capabilities

Transform CAD models into lightweight product graphics automatically

- Transform complex CAD models maintaining full manufacturing and geometric dimensioning and tolerancing information (PMI and GD&T)
- Transform large CAD models rapidly allowing visualization of even the largest assemblies.
- Optimize graphical models for downstream use in multiple levels of detail for a wide variety of uses from marketing renderings to traing materials

Author multiple intermediate and finished product graphics automatically

- Multiple graphics types including technical illustrations, non-photoreal images, photoreal images, Virtual Reality, 3D animations and more
- Multiple graphics formats, over 80 including vector, raster, high resolution, and more
- Multiple isometric an orthographic views

Associatively update product graphics automatically 7/24

- Manage the updating of authored 3D content as original design data changes
- Update graphics in linked publications
- Communicate changes via E-mail

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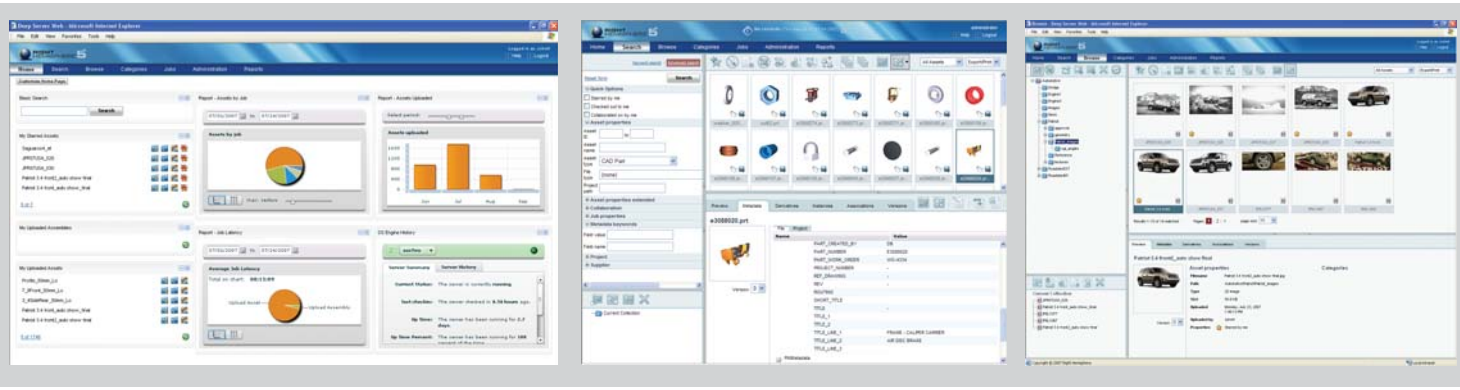
Deep Access™ Total Media Control



Store 2D and 3D product graphics in a unified repository, easily search and navigate through thousands of graphics to locate the one you need, and create new product graphics on demand.

Deep Access Management Capabilities

Store 2D & 3D product graphics in unified repository

- Store both lightweight graphical models and derivative graphics including technical illustrations, non-photoreal and photoreal images, 3D animations, PDF document, and more
- Access any data or associated data from an easy to use user interface.
- Control security and access options across parts assemblies and projects

Search or navigate to repository to locate existing graphics

- Find graphics fast via search and/or tree
- Classify graphics by metadata, project, and category
- Synchronize with Digital Asset Management or PDM control systems

Create additional product graphics whenever needed

- Use Deep Exploration CAD Edition of Acrobat 3D to transform and author new graphical models and derivatives and store within Deep Server
- Run Deep Server processes to automatically generate new graphics
- Run Deep Server processes to associatively update existing graphics

The Deep Server Difference

Derivative Product Graphics On Demand

- Deep Server automatically generates and securely stores all of the right 2D and 3D product graphics you need to communicate your products, in the right format, on demand.

Use Automation to Replace Manual Processes

- Unlike today's time and labor intensive manual 2D and 3D authoring processes, Deep Server automates these processes to deliver a range of intermediate graphics, finished graphics, and even finished documents all from accurate, up-to-date engineering.

Associatively Update Product Graphics as Products Change

- As your products and configurations evolve, Deep Server automatically updates impacted product graphics across sourcing, sales and service without having to track down and manually change every downstream usage.

Right Hemisphere

Right Hemisphere's PGM software enables manufacturers to globally source, sell, and service products more effectively by delivering the right 2D & 3D product graphics, in the right format, right now across their extended enterprises, all from accurate, up-to-date engineering data readily available in current CAD and PDM systems. Capitalizing on existing investments in 3D CAD and multimedia communications, while replacing today's manual processes that deliver undifferentiated product communications, only Right Hemisphere can turn your product communications such as RFQs, catalogs, manuals, courseware, collateral, IETMs, and more, into competitive advantage.

Over 500 innovative manufacturers, including five of the top six automotive OEMs and nine of the top ten US aerospace and defense contractors rely on Right Hemisphere to dramatically accelerate time to market, increase product and services revenues, and lower product communications costs. Learn more about Right Hemisphere at www.righthemisphere.com

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