Right Hemisphere
Interactive Training Solution

- Streamline publishing of interactive training courseware including CBTs, ILTs, simulations and virtual reality
- Create more effective, differentiated interactive training
- Leverage existing CAD and training investments

Introduction

Recent studies have shown that students remember up to 90% of what they do versus only 10% of what they read. Interactive 2D and 3D training content simulates doing. And interactive training in the form of computer based training (CBTs), instructor led training (ILTs), simulations, and virtual reality is a lower cost alternative to actual product mockups, physical simulations, and other non-electronic, "learning by doing" approaches.

For these reasons, interactive training has become mission critical in aerospace, defense, automotive, and other industries. But achieving this level of reality for complex products and systems, across a varied landscape of CAD, publishing and learning applications, using a variety of subject matter experts and courseware authors, in accordance with diverse educational methods is a significant challenge.

Right Hemisphere's Interactive Training Solution accelerates time to market, increases revenue via more compelling interactive training courseware, and reduces interactive training costs.

Right Hemisphere's Interactive Training Solution blends Right Hemisphere products, industry best practices, and consulting services so you can:

- Integrate your CAD/PDM and training applications
- Automate your graphics publishing processes for CBTs, ILTs, simulations, virtual reality and more
- Manage your interactive training related graphics



Image courtesy of Sikorsky Aircraft Corporation

"Besides the time and cost savings for engineering, the benefits to the downstream users are obvious. Instead of creating visuals from scratch, Right Hemisphere software provides repurposed 3D data files and a suite of tools for editing and animating the images. Training modules become much more effective with the inclusion of interactive, moving illustrations of each assembly and component in action."

PAUL ROBINSON, Manager of Blackhawk Training, Sikorsky Aircraft Corporation

Integrate leading CAD/PDM and learning applications to accelerate time to market

Time is money. For providers of training, finishing sooner means more revenue for your products and courseware. For consumers of training, getting training sooner means lower costs due to more effective operations and maintenance activities. But too often training departments cannot start creating training until the new product is actually completed. This may be fine for simple product with simple training needs. But this approach can push out completion significantly for more complex products and systems. Why wait for the finished product or system, when you could start based on your product designs?

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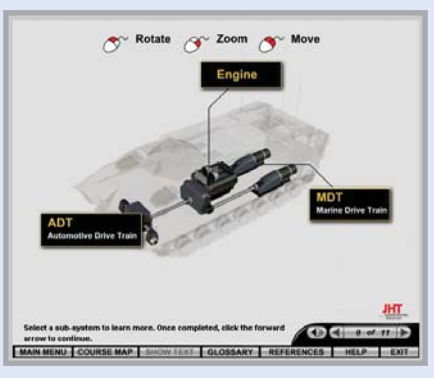
Right Hemisphere's Interactive Training Solution lets you develop your training courseware concurrently as you design your products. You no longer need to wait for the finished products to be designed and manufactured before you start on the training. Right Hemisphere lets you quickly transform the CAD models your engineers are using to design your products into the high impact 2D and 3D graphics required in your interactive training. And Right Hemisphere automatically updates these graphics as your product designs change, so there is no penalty for starting early.

Key capabilities include:

- Leverage existing CAD models to quickly create realistic 2D and 3D product graphics
- Integrate product graphics with DCC applications to author interactive CBTs, virtual reality and simulations
- Integrate product graphics and text for both Interactive Electronic Technical Manuals (IETMs) and courseware using content management applications
- Integrate product graphics into dynamic publishing applications to deploy rich courseware via electronic documents, print, web, email, and other multimedia



3D CAD data can be leveraged to provide just in time training for maintenance personnel.



Interactive 3D data integrated into computer based training enables students to quickly learn complex vehicle operating procedures. (Image courtesy of JHT, Inc.)

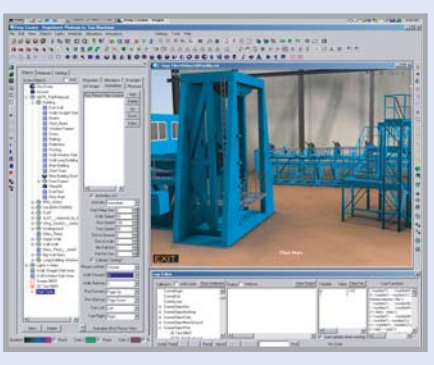
Automate graphics publishing processes to create more powerful CBTS, ILTs, simulations and virtual reality

Television, the Internet, video-games, and more have changed how people learn and work. Training today requires compelling 2D and 3D graphics. There are plenty of tools that you can use to do this manually. But today's manual authoring approaches limit the shear volume and quality of graphics, at a time when an hour of interactive courseware requires dozens, hundreds, or even thousands of graphics.

Right Hemisphere's Interactive Training Solution helps you author more compelling graphics, faster, so you can deliver more powerful CBTs, ILTs, simulations and virtual reality. By letting you blend manual and automated authoring, you can maximize your training teams' outputs. For example, you can automatically render many of your product images, freeing time for your designers to simulate additional scenarios and use cases.

Key capabilities include:

- Automatically author lightweight product graphics for Microsoft® Powerpoint® or Adobe PDF instructor led training presentations
- Automatically illustrate accurate technical illustrations for 2D or 3D courseware.
- Automatically render photorealistic images for CBTs and simulations
- Easily author 3D animations and interactive scenes for simulations and virtual reality using Deep Creator or other leading DCC applications



Using Right Hemisphere, you can easily create and import 3D graphics directly into Deep Creator to author CBTs, simulations and virtual reality.

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Manage interactive training related product graphics to reduce training costs

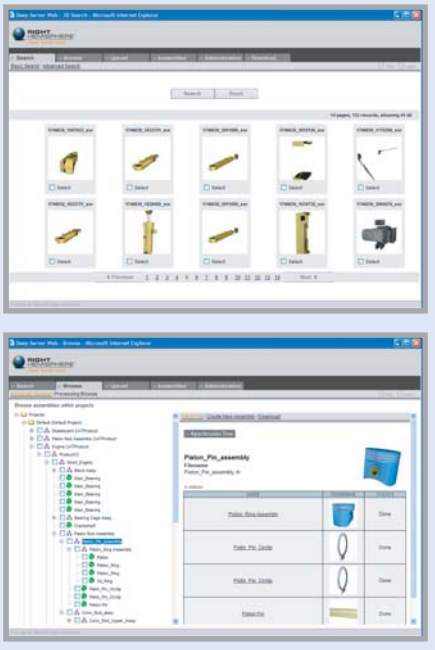
As product and system complexity increases, the demand for rich 2D and 3D product graphics within your interactive training courseware is growing exponentially.

Cost effectively meeting this demand is a challenge. To do so, your training subject-matter experts, courseware authors, illustrators, graphics designers, and others need the right graphics, in the right format, right now.

Right Hemisphere's Interactive Training Solution helps you cost effectively manage your interactive training related product graphics. By providing a unified repository for all your product graphics, you no longer waste money creating a new graphic when one already exists. And if the right graphic doesn't exist, you can quickly and easily generate one that meets your need, for example, "highly interactive" for simulations and "simple and clear" for presentation style training. And for products and system whose designs or configurations change over an extended product lifecycle, Right Hemisphere automatically updates these graphics saving you money year after year.

Key capabilities include:

- Provide product graphics on demand in appropriate formats and quality levels
- Easy to search as Google™
- Dynamically update graphics as CAD models change
- Control SCORM compliance



Using Right Hemisphere's Googe-like search, you can easily find and reuse existing graphics.

Right Hemisphere

Right Hemisphere® is the leading provider of Product Graphics Management software. Product Graphics Management is a new category of enterprise software that integrates, automates, and manages 2D and 3D product graphics across the extended enterprise. Five of the top six automotive OEMs, nine of the top ten aerospace and defense contractors, and hundreds more customers use Right Hemisphere software to streamline publishing of technical publications, interactive training, marketing communications, design collaboration documents, and more. Right Hemisphere accelerates time to market for new products and product support offerings, increases revenue and competitive advantage, and reduces product lifecycle costs.

Learn more about Right Hemisphere at www.righthemisphere.com

A leading Defense contractor reduced the time to author an hour of interactive cockpit operations training courseware from over 150 hours to less than 40 hours using Right Hemisphere.

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