

3D Level IV Interactive Multimedia Instruction for the Web

3D4M is a fully interactive real-time 3D environment for simulation-based e-learning using Level IV Interactive Multimedia Instruction (IMI). Our unique approach to distributed learning allows us to deliver both synchronous and asynchronous e-learning over connections as limited as 56K dial-up.

The 3D4M learning technology allows up to 1,000 participants in an online 3D environment for 'lectures' or 50 participants for more interactive lab and discussion environments. In the 3D4M environment, every medium used for business communication can be found in one context: voice, sound files, movies, interactive Web documents and interactive 3D simulations.



Detailed interactive 3D technical illustrations provide unprecedented documentation capabilities. All part numbers, ordering, assembly and operating information are provided in a single document.

Both instructors and students can upload PowerPoint slides, Flash movies, or write directly on the whiteboard.

The Problem

Current online e-learning technologies all share a common problem—they can't keep the audience tuned in and turned on. Today's Web-based learning systems suffice when it comes to standard PowerPoint content and elementary animations. When it comes to teaching students to actually perform a task in real time, organizations must fall back to the in-person student/teacher interaction with the real equipment. For true distance learning to flourish, the technology platform and content must simulate the real-world experience as much as possible and deliver it both online and offline, synchronously or asynchronously.

The Solution: 3D Level IV IMI for the Web

3D4M is a collaborative blended learning delivery platform for the Web that includes audio, video, text chat, PowerPoint, Flash, Voice over IP, and interactive 3D media for unprecedented information transfer capability.

Providing an open architecture and leveraging industry leading collaborative and interactive technology from Intel and Macromedia, 3D4M enables IMI content and courseware developers to import their own set of teaching content (Flash presentations, PowerPoint slides, audio, and video) into a single virtual classroom. Instructors using 3D4M can import their own course content or can use the interactive courseware developed by 3Dsolve that takes advantage of all of the features of 3D4M. 3D4M enables the delivery of both live synchronous events and asynchronous on-demand learning methods, providing organizations the flexibility to tailor learning events for each audience.

Features and Benefits

- **Support up to 1,000 users simultaneously.** Educated and productive work force. Ability to extend marketing and sales reach.
- **Easily integrate popular forms of interactive multimedia instruction such as PowerPoint, Flash, Shockwave 3D models, video and audio.** One integrated presentation environment promoting sharing and reusability of IMI.
- **Enable real-time lecturer/instructor control of the environment for remote e-learning and demonstrations.** Shorten sales cycles, reduce travel costs for hands-on demonstrations, promote distance learning, and competitively differentiate your organization.
- **Provide the ability to assign control of demonstrations to remote participants.** Higher customer and student satisfaction and knowledge retention.
- **Ability to customize the presentation/learning environment to reflect the corporate demonstration or classroom**

environment. Competitive differentiation and higher employee satisfaction.

- **Integrate lectures and hands-on labs into a complete distance learning format.** Higher student audience participation and retention. Enables certification without physical classroom participation.
- **Present complex Level IV IMI 3D simulations over the Internet.** Present to customers remotely-no travel required. Reduce time to demonstrate the product. Shorten the overall sales cycle.
- **Create interactive 3D models that act in a scripted, predictable way.** Decrease the frequency of bad demonstrations. Increase the sales close ratio.
- **Deliver content both synchronously (live presenter) or asynchronously (24X7 access).** Higher training and demonstration quality through live instructor training and enable ongoing knowledge retention and sustainment through on-demand asynchronous delivery.

System Requirements

- Intel Pentium processor (Pentium 3 or later recommended)
- Microsoft Windows 2000 Professional (with Service Pack 2) or Windows XP Home or Professional
- 128MB of RAM (256MB recommended)
- 20MB available hard disk space
- 1024x768 screen resolution
- Hardware-based 3D acceleration

About 3Dsolve

3Dsolve, The Simulation Learning Company, is working to become the leader in simulation learning for government, military, and corporate applications. Our collaborative simulation learning solutions enable the widespread deployment of highly engaging and interactive training applications across organizations.

The 3Dsolve team consists of experts with over a century of experience in applying rich media and 3D interface technologies to the computer gaming, engineering, architectural design, television and motion picture, and IT training industries.

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