



SIMbox

A common product for multiple applications and domains



In use by leading organizations worldwide - join their success
www.simigon.com

Develop and manage new training content while integrating legacy simulations and CBT.
 Use a SCORM 2004 certified LMS to deploy CBT and simulation lessons to classrooms, laptops, DTT, PTT, CPT, and FMS.
 Automatically update the syllabus based on each user's knowledge and skills.

The Ultimate Training Solution

SIMbox Toolkit - Development

SIMbox Server - Management

SIMbox Runtime - Delivery

SCORM 2004 Courseware

SCORM Sequencing

SCORM Conversion

SCORM 2004 SCO

AI - VI Development

Scenario Design

Entity Development

System Development

LCMS

Version Control

Permissions

Concurrency Control

Simulation & CBT

SCORM 2004 LMS

Deploy Content

Track Performance

Generate Reports

Update Syllabus



Single Technology Platform For
The Entire Training Spectrum



Do your tools enable you to develop CBT and high fidelity simulation SCORM packages?

SIMbox Toolkit - Development

Build and modify simulation content:

- Create libraries of reusable simulation components (Radio, Radar, etc.)
- Use simulation components to build new entities
- Use the entities to design new scenarios
- Add CGF and Virtual Instructor to convert free play scenarios to training scenarios

Combine simulation and legacy content for training, teaching, and knowledge transfer:

- Create SCORM 2004 SCOs
- Seamlessly convert legacy content to SCORM 2004 by drag-and-drop
- SCORM 2004 Sequencing



Supports industry standards such as HLA, 1553 BUS, ARINC, etc.

Open architecture – enhance existing simulation software and hardware – and future technologies – by seamlessly integrating them with SIMbox.



Does your simulator evaluate performance and update the training plan accordingly?

SIMbox Server - Management

SIMbox LMS

- Track user knowledge (using CBT) and skills (using simulation) and dynamically update their training syllabus using SCORM 2004 sequencing
- SCORM 2004 3rd edition certified
- Create and manage **simulation based SCOs**
- Web access and/or client based
- Offline user synchronization for anytime, anywhere training availability
- Full user management and systems administration
- Automatic updates mechanism ensuring up-to-date, relevant content
- Robust reporting capability to track user knowledge and skills



SIMbox LCMS

- Collaborative development environment with complete configuration management
- Share CBT and simulation content as SCOs in a central repository with:
 - Controlled access
 - Version tracking
 - Version history
 - Automated updates
- Available in a web and/or thick client module for offline content development
- Import and export entire hierarchies of content, and content packages
- Advanced content merging capabilities
- Robust search and filtering mechanisms in support of:
 - Content developers
 - Instructors (classroom or 1-on-1)
 - Content reviewers
 - Managers / commanders

Does your simulation content run on the entire range of hardware devices from web to FMS?

SIMbox Runtime - Delivery

SIMbox Training applications integrate reconfigurable hi-fidelity 3D simulation with a SCORM 2004 certified LMS.

SIMbox Runtime simulation content can be hosted across the hardware spectrum.

- Modules for Web, PDA, laptop/desktop trainer, WST, PTT, CPT and FMS:
- Use the same source code
 - Automatically updated through the server
 - Virtual instructor and IOS capability
 - Tracked by the LMS
 - Support DMT, DMO, HLA, DIS

The Virtual Instructor adds significant training value:

- Guide users through the entire training process
- Track performance and provide real time and after action feedback
- Reduce the total instructor hours required
- Increase training value
- Ensure objective performance tracking and reports



SIMbox Runtime provides hi-fidelity distributed simulations placing the user in a virtual or constructive environment.

SIMbox simulation is a proven solution in military and civilian environments.

SIMbox is used worldwide for various applications for training, entertainment, mission debriefing (including real-time monitoring and AAR), C4ISR, and homeland security applications.

SIMbox Toolkit Development Environment

- Simulation components
- Simulation entities
- Scenario generation
- Terrain production
- AI – CGF and Virtual instructor
- Simulation courseware
- CBT

SIMbox Server Management Environment

- Central repository
- CMS
- Components reusability
- Configuration management
- Knowledge management
- LMS - SCORM 2004 certified
- Up-to-date information
- Data analysis and reports

SIMbox Runtime Delivery Environment

- Distributed High- fidelity simulation
- Web to full simulator
- Personalized training
- Debriefing, AAR
- CBT, Simulation training
- Instructor-led
- Live Virtual Constructive

SIMbox Features and Benefits

Category	Features	Benefits
Delivery	<ul style="list-style-type: none"> • High-fidelity, distributed simulation • Learning Management System (LMS) with eLearning, tracking, reports, debrief • Virtual Instructor (VI) • Real-time control of environment • Central repository for all components with configuration management • AI development for Computer Generated Forces (CGF) and Virtual Instructor (VI) 	<ul style="list-style-type: none"> • Anywhere, anytime availability • Track progress, remedial training, evaluate • Takes training to a higher level/Mission planning & Mission rehearsal • Real-time personalized guidance (VI) to trainees • Instructors can easily alter training for multiple trainees • Empowers Subject Matter Expert (SME) - No programming skills needed for most of the tools • Customize the interface to your own needs - Partners can also change the product name
Price	<ul style="list-style-type: none"> • Hardware independent • Reusable objects and components • 4th generation development tools • COTS Product 	<ul style="list-style-type: none"> • Use the same product to provide solutions ranging from CBT learning to Full Mission Simulator training • Single product generates savings in contracting process, development, and acceptance • Enhanced productivity – by reusing simulation and learning content • Individual or team level applications without additional expense • Reduced ongoing maintenance and support costs
Technology	<ul style="list-style-type: none"> • Object Oriented Architecture (OOA) & Component Based Architecture (CBA) • .NET framework, Visual Studio 2005, Web 2.0 • SQL Server 2005, SQL Analysis services • DirectX 10, OpenGL 2.0, GPU Algorithms, Quad core optimization, Shader 4.0 	<ul style="list-style-type: none"> • Latest State-of-art technologies in a single product • Easy to add/modify entities • Can be used alone, linked w/other users, integrated w/ Part Task Trainer (PTT), Full Mission Simulator (FMS), etc. • Modular and open architecture



SimiGon (AIM: SIM) is a fast-growing business with vast experience in providing Modeling, Simulation & Training solutions to customers worldwide. SimiGon's partners include government and industry leading training and simulation organizations as well as small businesses providing end users with added value content packages based on SIMbox technologies.



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