



GlobalSim

# About GlobalSim

Simulation may be defined as the imitation of a situation or process. At GlobalSim, rather than use the word imitation, we prefer terms like “authentic” and “realistic” to describe our profession and our products. As a leading provider of simulators and training systems to organizations throughout the world, our team strives to build systems that completely engage and absorb an individual into an immersive environment to enable world-class training. Our consistent record speaks for itself- over the last 25 years we have installed over 200 systems on five continents and developed simulators ranging in size from small portable units and virtual reality systems to some of the largest simulators in the world.

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## A Rich History in the Simulation Industry

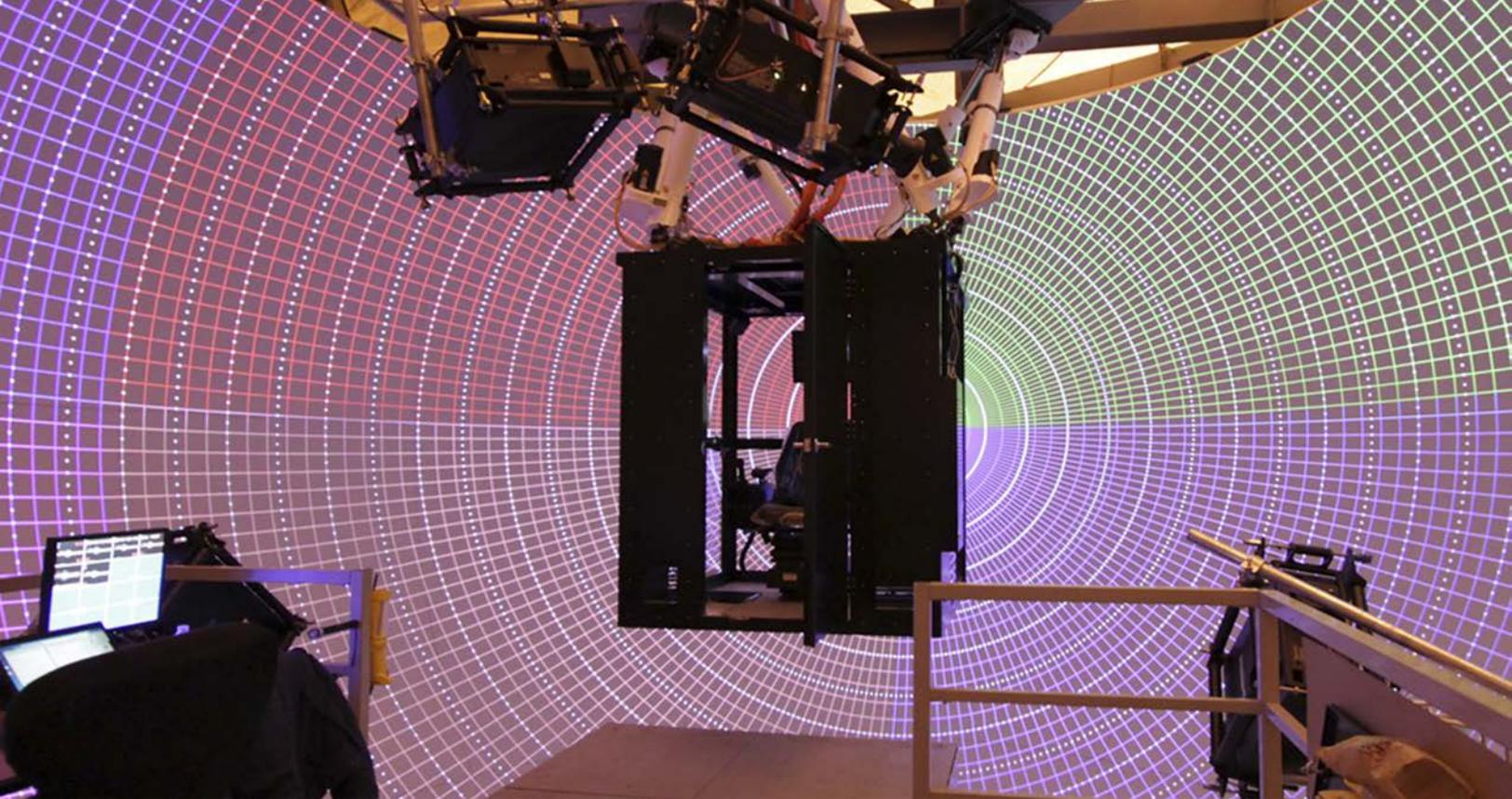
GlobalSim, Inc. is a privately held company based in Salt Lake City, Utah with a rich history in the simulation industry. Our company was founded in the early nineties by a group of talented engineers and computer software experts. We quickly developed an excellent reputation by designing and manufacturing various systems including flight simulators, driving simulators, and custom training systems for military equipment.

In the late 1990's, GlobalSim began developing crane simulators and delivering them to construction unions, port authorities and training centers throughout the world. Today we are regarded as the industry leader in the field of crane simulation and we continue to develop leading-edge simulators and new training technology for crane operators.

GlobalSim strives to provide our clients with premier simulators and training systems to help them increase their efficiency and achieve their training goals.

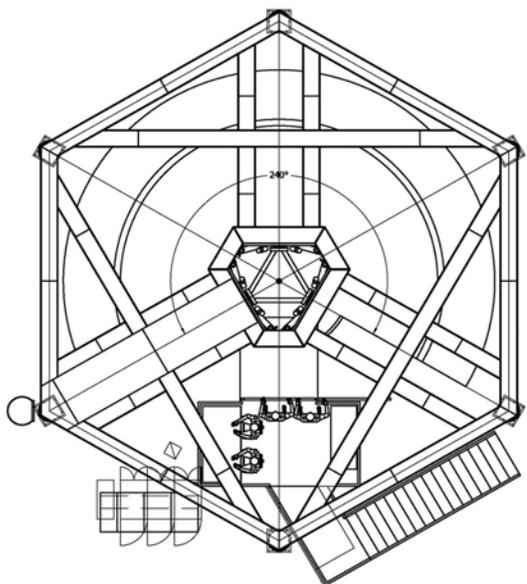


GlobalSim engineers building and calibrating simulators at our headquarters in Utah, USA.



## Cutting Edge Technology

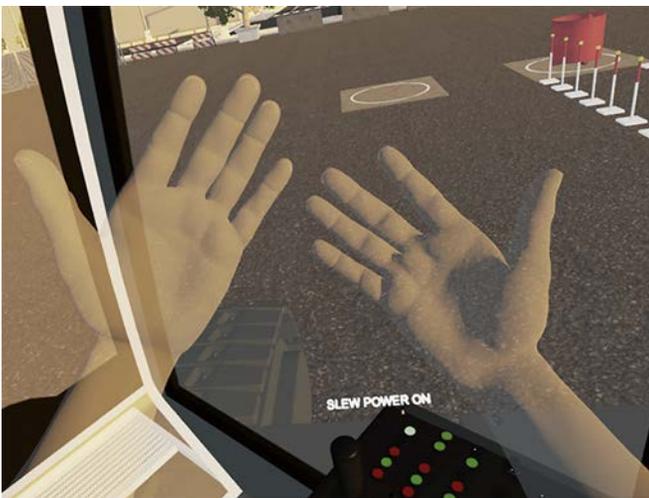
At GlobalSim we're focused on developing and implementing cutting edge simulation technology. Throughout the years we've taken some of the latest hardware and software innovations — from motion systems, to physics engines — and implemented them into our simulators to provide state-of-the-art training solutions.





## Virtual Reality Training

Our engineers have masterfully incorporated the latest mixed reality technology into training scenarios for military, ports, construction, and more. GlobalSim VR systems feature real joysticks and system controls along with the ability for operators to see their hands in the virtual space. As VR systems continue to evolve, GlobalSim R&D specialists continue to experiment with the latest technologies. Our systems can be equipped with either HTC Vive® or Oculus® and include hand tracking technology powered by Leap Motion®.





## Military Simulation

For nearly three decades, GlobalSim has specialized in crane and material handling equipment simulators for the military. Training centers for both Army and Navy operations rely on GlobalSim simulators to train equipment operators. Our military simulators are available as standard equipment types, or we can develop highly customized systems for unique training needs.

- Kalmar RT240 RTCH
- JLG ATLAS II and MMV
- Link-Belt HTC-8640
- Link-Belt LS-108H
- LSD & LPD-17 Cranes
- Grove GMK4100B- Battle Stations 21

- Rough Terrain Container Handler
- All-Terrain Forklift
- All-Terrain Crane
- Lattice Crawler Crane
- Ship Pedestal Cranes
- Live Immersive Trainer
- Virtual Reality Trainers





**Ship Pedestal Crane**



**Fully Modeled Reeving**



**Battle Stations 21**



**Mobile Lattice Crawler Crane**



**Rough Terrain Container Handler**



**Hydraulic Telescopic Crane**



**Master Control**



**All Terrain Crane**

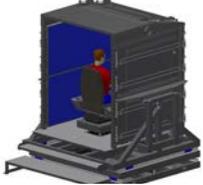


**Real Equipment Controls**



**Immersive Cabin Design**

# GlobalSim Product Lineup

Simulator Type	Image	Description
<b>GlobalSim VR Portable</b>		<p>Portable VR Simulator with GlobalSim standard controls and authentic operator joysticks. Portable Carrying Cases Included.</p>
<b>GlobalSim VR Premium</b>		<p>Hi-fidelity VR training with authentic controls, Steering and Pedals. 6 DOF motion base available.</p>
<b>GlobalSim Desktop</b>		<p>Basic classroom style simulator with generic joysticks and controls presented on a HD desktop display. Typically sold in denominations of 4+.</p>
<b>GlobalSim Essential</b>		<p>Mid-level simulator with authentic controls, steering, and pedals presented on a large format HD screen. Instructor Station with scenario editor and student database included.</p>
<b>GlobalSim Essential Plus</b>		<p>Enhanced simulator with authentic controls, steering, and pedals presented on multiple large format HD screens. Instructor Station with scenario editor and student database included.</p>
<b>GlobalSim Full Mission</b>		<p>Premium level simulator typically configured with a 3 DOF motion base. Offers hi-fidelity training with authentic controls, steering, and pedals presented on multiple large format HD screens. Instructor Station with scenario editor and student database included.</p>
<b>GlobalSim Advanced/Custom</b>		<p>GlobalSim's flagship simulator features a spacious operator cabin configured on a 6 DOF motion base. Offers hi-fidelity training with authentic controls, steering, and pedals presented on multiple large format HD screens. Instructor Station with scenario editor and student database included.</p>





The largest crane simulator in the world —  
The GlobalSim Advanced system in Casablanca, Morocco



## Port Equipment

GlobalSim offers a complete line of port cranes and equipment simulators and supports an extensive variety of cargo vessels, dock vehicles, loads, and other training tools. Our significant knowledge of port operations, combined with our technological expertise and years of simulation experience, enable us to create simulation training systems that are unsurpassed in the industry for realism. Seasoned crane operators consistently rate our simulators as “true to life.” Just one of the many reasons why our port crane simulators are the most popular systems we sell.



- Ship-to-Shore (STS)
- Rubber Tyred Gantry (RTG)
- Rail Mounted Gantry (RMG)
- Mobile Harbour Cranes (MHC)
- Jib & Jib Boom
- Ship Unloader
- Straddle Carrier
- Ship Gantry Cranes
- Reach Stackers
- Container Handlers
- Ship Pedestal Cranes
- Forklifts





## Construction

GlobalSim simulators are designed to screen, train, and test construction crane operators on equipment familiarization, and safety awareness in a realistic, controlled environment. Our construction systems include software designed to simulate the NCCCO certification test course. Choose between our portable VR system, the entry-level Essential system, or the large Full Mission system with a fully integrated motion base. GlobalSim can configure training simulators into a variety of different mobile containers to suit your needs.



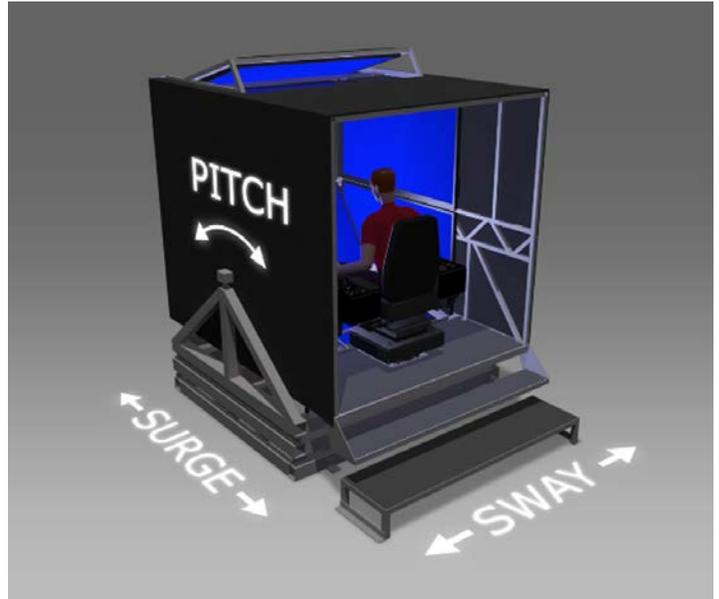
- Mobile Lattice Crawler Crane
- Hydraulic Telescopic Truck Crane
- Rough Terrain Crane
- Tower Crane
- All Terrain Crane

- Manitowoc
- Linkbelt
- Liebherr
- Grove
- Terex

# Motion Systems

GlobalSim is widely recognized as an industry leader in motion technology. We offer 3 DOF (Degree-Of-Freedom) and 6 DOF motion systems that use commercial electric actuators to provide highly accurate motion cues.

Our motion systems are typically placed under the full cabin platform rather than the operator chair. The end result is an unrivaled feel and fidelity that is conducive for high level training. Trainees learn to recognize the motions and vibrations felt by real-life equipment operators during normal and emergency operations.



## Instructor Station

The Instructor Station is a key component of the training simulator and acts as a hub whereby instructors, trainers, and observers can monitor the actions of a student on the simulator.

GlobalSim incorporates our full-featured scenario editor into our instructor station, giving training managers and administrators the ability to modify and edit the training agenda to their liking. Additionally, the instructor station includes a student database, a situational display (with a 360-degree birds-eye view) and a control panel that enables the administrator the change weather and environmental conditions in real time.

## Curriculum / Training

Many organizations require specific curriculum for their training. With our in-depth knowledge of simulator instruction, we have developed a library of materials that we can provide to help organizations implement a thorough training and certification program. The type of training or curriculum program may vary for different institutions. GlobalSim can provide hard copy training manuals or video based training that can be set up to provide e-learning. We are specialists where training and simulation intersect and our team of professionals can help provide the expertise necessary to get a training program up and running.





## Simulator Return On Investment

In some industries, simulation is a foregone conclusion. The merits and benefits are well known and training in a simulator is compulsory. In the world of aviation, it is fully expected that pilots will train on a simulator before being licensed. Likewise, simulators have been used by the military for decades to train soldiers and logistics personnel.

In other industries, simulation is not compulsory but still used regularly by organizations to provide operator training. This is generally the case for the industries served by GlobalSim. Simulators are commonly used to train operators when the costs are high and a training failure has the potential to cause a catastrophic accident that could result in loss of human life or a significant financial loss.

There are many significant advantages to simulation which are not always obvious and considered by organizations that haven't used simulators in the past. These include:

- **Reduce Training Time & Expenses**
- **Limit Opportunity Costs**
- **Increase the Efficiency of Novice Operators**
- **Reduce Accidents**
- **Screen Equipment Operators**
- **Monitor & Test Objectively**

While not every organization may have the ability or need to acquire a simulator, there is much evidence from a quantitative and qualitative perspective to suggest that a simulator is a worthwhile investment to most organizations that train equipment operators on a regular basis.

Please contact a GlobalSim representative if you desire to learn more about the ROI a simulator can bring to your organization.

# Global Customer Support:

Our hard earned reputation is meaningless without a commitment to premier customer support. At GlobalSim we provide a warranty for each system and also offer extended service and support plans to accommodate our clients needs. We are committed to providing easy access to support and service and to responding promptly to our customers wherever they are located in the world. Perhaps most importantly, our customer service team and executive managers all strive to develop relationships with each of our valued customers.

Our clients are the best evidence of our commitment to excellence. We invite you to contact them directly, or reach out to a GlobalSim representative to arrange a visit for you to experience a GlobalSim simulator first hand. your organization.

## Clients Include:

**OCHA Training Center**  
Antwerp, Belgium  
[www.ocha.be](http://www.ocha.be)

**Maritime Employers Association**  
Montreal, Canada  
[www.mea.ca](http://www.mea.ca)

**SENAI Training Center**  
Santos, Brazil  
[www.senai.br](http://www.senai.br)

**Port Authority of Thailand**  
Bangkok, Thailand  
[www.port.co.th](http://www.port.co.th)

**CSX Intermodal Terminals**  
Florida & Ohio, USA  
[www.csx.com](http://www.csx.com)

**Fort Eustis Simulation Training Center**  
U.S. Army Transportation School  
Virginia, USA

**US Navy**  
Battle Stations 21  
Great Lakes, Illinois, USA

**Agence Nationale de Ports**  
Casablanca, Morocco  
[www.anp.org.ma](http://www.anp.org.ma)

**New York Shipping Association**  
Elizabeth, NJ, USA  
[www.nysanet.org](http://www.nysanet.org)

**Générale de Manutention Portuaire**  
Le Havre, France  
[www.gmportuaire.fr](http://www.gmportuaire.fr)

The logo for GlobalSim features a white curved line above the company name. The word "GlobalSim" is written in a large, bold, white sans-serif font against a dark red background.

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