



GlobalSim

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## About GlobalSim

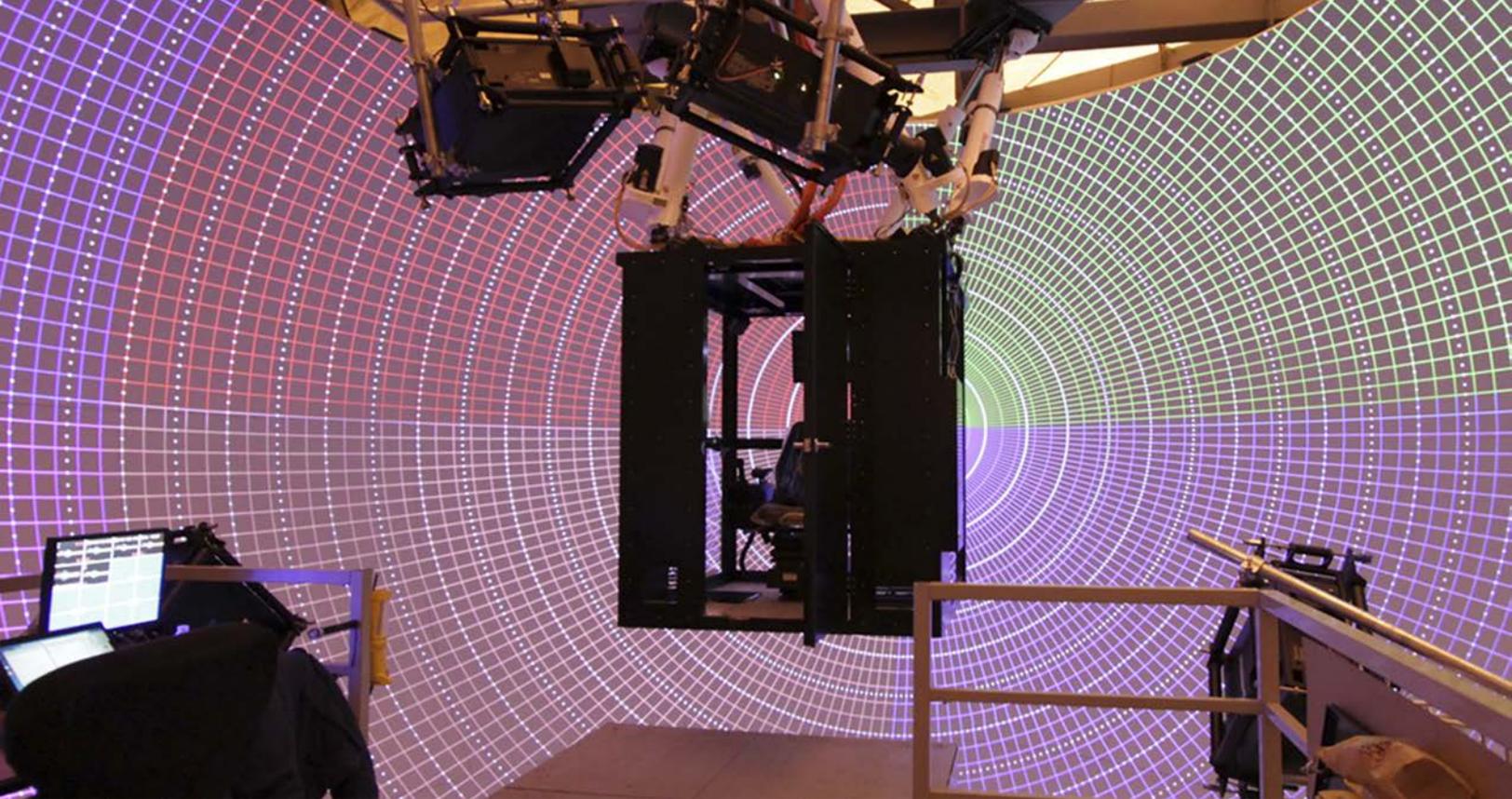
GlobalSim, Inc. is a privately held company based in Salt Lake City, Utah with a rich history in the simulation industry. Our company was founded in the early nineties by a group of talented engineers and computer software experts. We quickly developed an excellent reputation by designing and manufacturing 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.

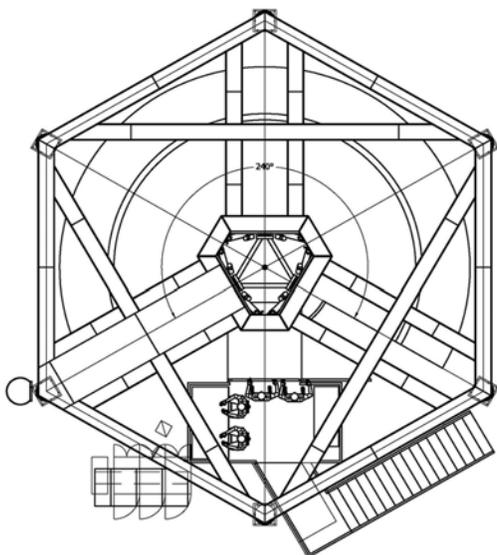


GlobalSim engineers building and calibrating simulators at our headquarters in Utah, USA.



## 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



Knuckle Boom Crane



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



## Portable

An entry-level simulator designed to fit into a portable case for easy travel. Ideal for trade shows, exhibitions, or temporary training in remote locations.



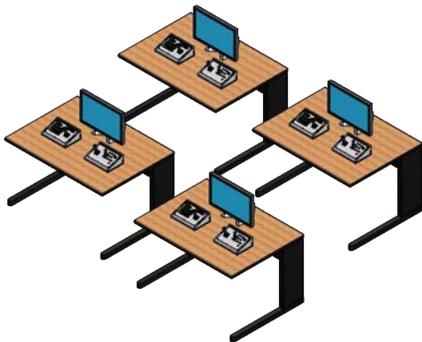
## VR

High-fidelity VR training with authentic controls, steering and pedals. This system can be equipped with a 3 DOF motion base to provide a high degree of realism.



## Essential

A budget-friendly simulator platform, the Essential model includes all of the key functions and controls required for professional crane simulation.



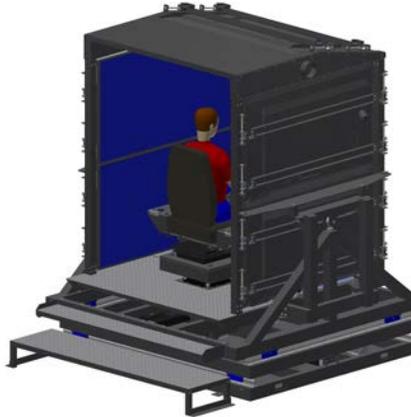
## Desktop

Designed to augment our larger and more immersive simulators, the GlobalSim Desktop simulators enable students to become familiar with crane operations.



## Essential Plus

The Essential Plus is an enhanced platform with various configuration options, including the ability to add visual channels, a motion base, and VR functionality.



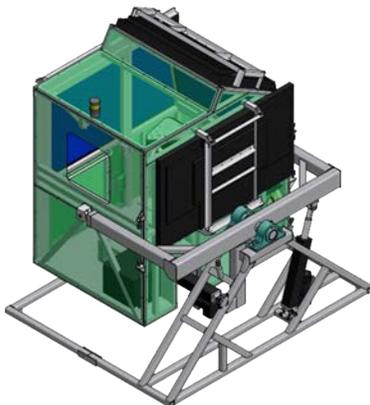
## Full Mission

A premium simulator that includes a full cabin on a robust 3 DOF (Degree-Of-Freedom) motion base. Designed for high-level simulation training. VR Add-On functionality.



## Advanced

The GlobalSim Advanced simulator is our flagship product—it provides an immersive training experience and features a 6 DOF (Degree-Of-Freedom) motion platform. VR Add-On functionality.



## Custom

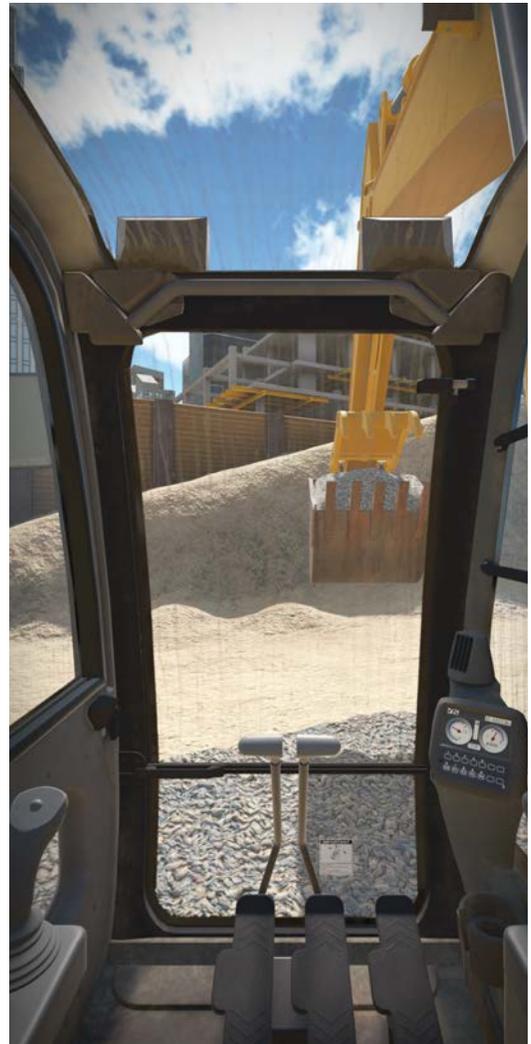
Custom simulation training systems to suit the specifications and unique needs of any organization. Contact us for more details.



## Heavy Equipment Simulation

GlobalSim has developed heavy-duty vehicles as part of the simulation model line-up. Our engineers have masterfully designed all heavy equipment models with the latest technological graphics and physics engines. Construction and Military training centers rely on GlobalSim's heavy equipment simulation to train their operators to properly execute earth-working tasks.

- Excavator
- Bucket Wheel Reclaimer
- Bulldozer
- Front Loader

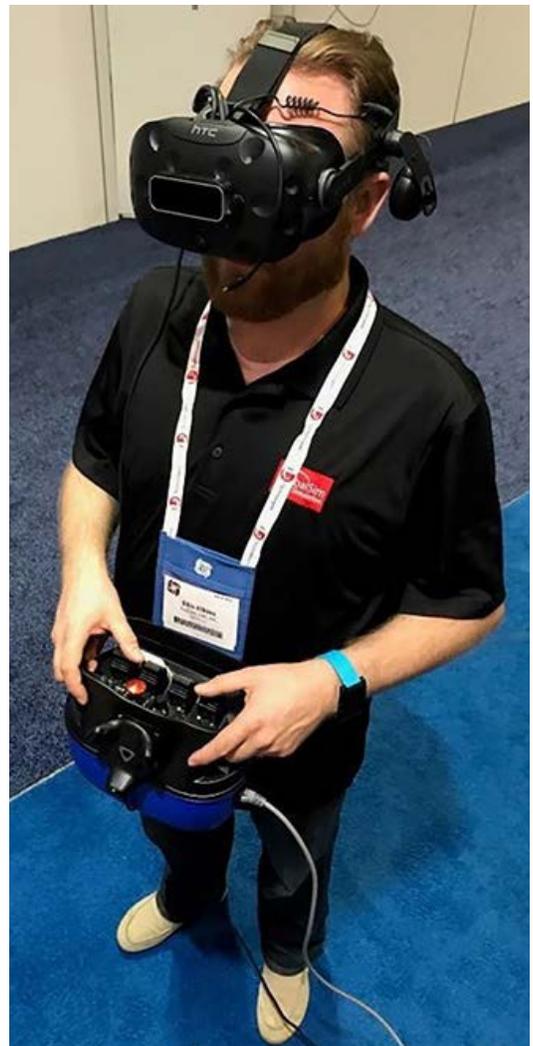




## Industrial Crane Simulation

GlobalSim's industrial crane simulators are developed with performance metrics matching real cranes. It delivers effective, hands-on training for industrial crane operators featuring high-quality visual modeling and authentic hardware controls for advanced realism. Crane operators are able to practice typical operations such as lift, move, stack, or unstack various loads. GlobalSim can provide a training solution for the specific industrial configurations shown below:

- Overhead Crane
- Trolley Crane
- Bridge Crane





GlobalSim's 5th Generation Full Mission System



## 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. GlobalSim systems for port equipment typically feature a full cabin 3 DOF or 6 DOF motion base. 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 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.



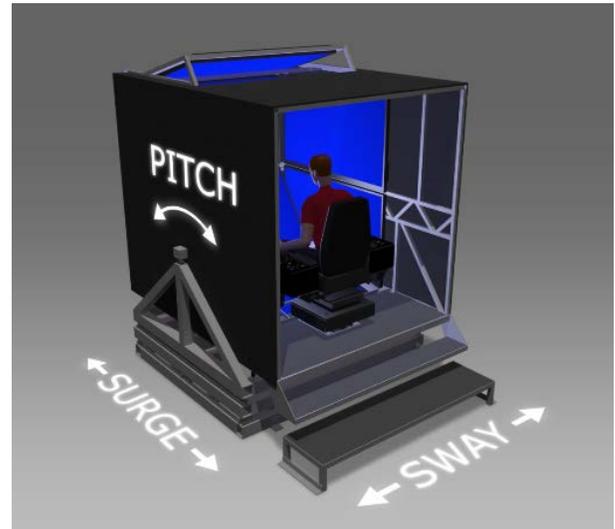
- Mobile Lattice Crawler Crane
- Hydraulic Telescopic Truck Crane
- Rough Terrain Crane
- Tower Crane
- All Terrain Crane

- 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.



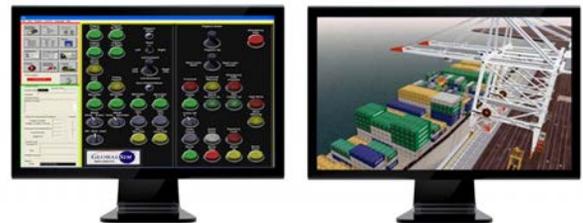
## Instructor Station

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)

**Luis A. Ayala Colon Sucrs., Inc**  
Ponce & San Juan, Puerto Rico  
[www.ayacol.com](http://www.ayacol.com)

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

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

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

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

**West Gulf Maritime Association (WGMA)**  
Houston, Texas, USA  
[www.wgma.org](http://www.wgma.org)

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

The logo for GlobalSim features a white curved line above the word "GlobalSim" in a white, sans-serif font, all set against a dark red background.

**GlobalSim**



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