

CRANE SIMULATOR PLATFORMS ESSENTIAL PLUS

GlobalSim™



Budget-Friendly Simulator

The GlobalSim Essential Plus includes a crane operator's chair and real crane controls designed to accurately simulate almost every crane model that exists in our library. The Essential Plus can be configured with one to four visual channels and has a VR capability built in.

Full Training Options

The typical GlobalSim Essential Plus includes an integrated instructor's station which features two displays and a printer. The instructor can change environmental conditions, add or edit scenarios, modify training curriculum, and print out performance reports from the student database.

Flexible Configuration

The Essential Plus can be configured with the following software models: STS, RTG, RMG/Intermodal, Ship Pedestal, Reach Stacker, RoRo Operations, Container Handler, Atlas II Telehandler Forklift, MMV Telehandler Forklift, Excavator, Front Loader, Dozer, Grader, Scraper, Mobile Lattice, Tower Crane, All Terrain Crane, Rough Terrain Crane, Overhead Bridge Crane.

Hardware Design

Each visual channel has its own dedicated image generator that is used to build and render the virtual images based on inputs from both the student and the appropriate software models. To minimize configuration complexity, all image generators and the host computational unit are based on the same hardware configuration.

Facility Requirements

System Size

- » Designed to be installed into standard classrooms and offices
- » Simulator materials and components designed to fit through standard size office doors and be assembled on location
- » Requires a cleared volume of the following dimensions:
L-10.5 ft (3.2 m) x W-9.5 ft (2.9m) x H-9.5 ft (2.9m)

Fixed Location Floor Loading

- » Approximate static weight of trainer – 2500 lbs. (1134 kg)
- » Motion base area – 64 ft2 (5.95 m2)
- » Motion base must be on a reaction pad (concrete floor) with a thickness of at least 6 in (0.15 m)
- » Motion base must be anchored to the reaction pad (concrete floor) using 6 lag bolts with a diameter of approximately 0.5 in (1.27 cm)



Instructor Station & Computer Rack

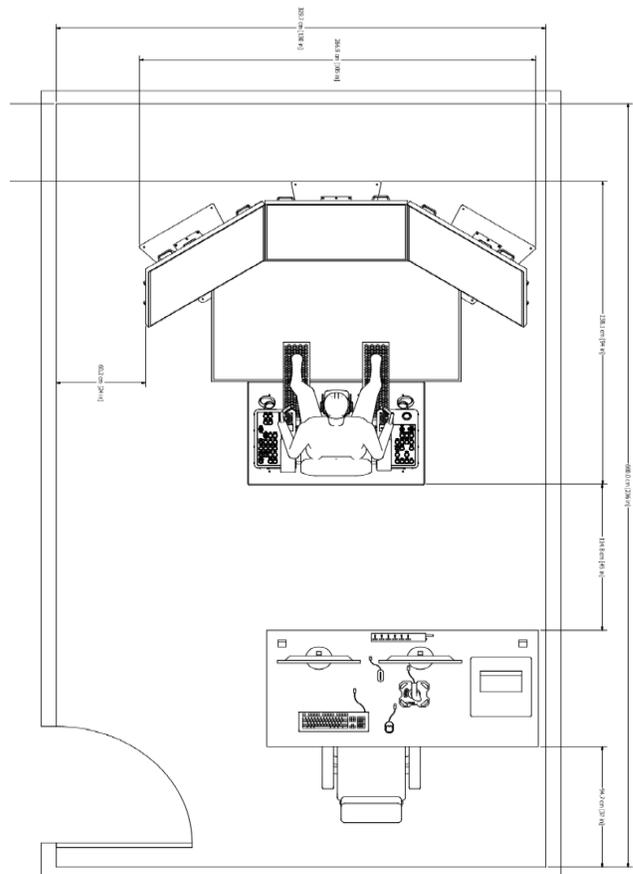
- » Instructor Station requires a cleared area of 6 ft (1.83 m) x 8 ft (2.4 m). No special floor loading
- » The computer rack for system has a footprint of approximately one (1) square meter

Electrical Requirements

- » Requires one (1) electrical circuit with the following characteristics:
 - 120 VAC
 - 15 amps
 - 60 Hz
 - Grounded, single phase

Cooling Requirements

- » Customer is required to install an HVAC unit in the simulator facility (and equipment rooms, if separated) sufficient to maintain a constant 70° F (21 ° Celsius) ambient temperature
- » Place simulator in an environment with less than 50% non-condensing relative humidity.
- » Heat generated by the entire system is 5,400 BTU (1600 watts).



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