

LiSIM[®]

STS - RTG Crane Simulator



LIEBHERR

LiSIM® STS - RTG Crane Simulator

LiSIM® STS - RTG Crane Simulator increases port safety and productivity by providing a cost-effective and highly efficient crane operator training solution. Incorporating original Liebherr drive systems, software and hardware, the LiSIM® guarantees a realistic training experience. LiSIM® is the only realistic virtual simulator solution available on the market to learn the precise and innovative control of Liebherr STS and RTG cranes.

Safety first

Thanks to the virtual port environment, safety risks like damaging vessels, port equipment or accidents involving port personnel are eliminated. As simulator-based training is relatively inexpensive, trainees can spend more time in the virtual environment, learning instinctively how to react to unexpected situations and so improving port safety.

Cost-effectiveness

Conventional on-crane training impacts on day-to-day port operation, until drivers are competent, uses fuel/power and produces wear and tear. Eco-friendly simulator training helps to minimize such costs. Furthermore, this advanced training method has the potential to significantly reduce costly accidents.

Wide variety of functions

A wide range of different functions is essential for the simulation of everyday and extraordinary situations crane operators face in the real world of port operations. Thanks to the flexible adjustment of the virtual environment, users can run through any container handling situation, anytime they want to. Features include:

- All functions of Liebherr STS and RTG cranes
- Modifiable port environment including weather and waves
- Various container types and landing areas
- Main vessel types
- Challenging exercises for continuous training progress
- Possibility to enter error indications
- Database to monitor trainees performance
- Language packages

Original software and hardware

Running on an advanced industrial computer system, original Liebherr crane drive systems precisely calculates all crane movements both in space and in-time. The ergonomically designed cabin, Liebherr hardware and real Liebherr drive systems guarantee a realistic and unique training experience. A motion platform driven by advanced physics software accurately simulates the response and feel of a real crane. Full HD flat screens and surround sound speakers reproduce views and sounds of a typical port environment. Each simulator is equipped with a multifunctional instructor station offering complete control over the simulation.

Solutions

LiSIM® STS - RTG Crane Simulator is available in three different configurations to meet specific customer requirements.

Classroom solution:

Designed to be easily integrated into existing training centres. The display, seat and controls are mounted on a base plate and a solid display frame. The display system provides extensive views for an immersive experience.

Cab-enclosed solution:

Installed in an original STS or RTG cabin, this space-saving solution ensures that the operator becomes familiar with controlling the crane in a real-life environment.

Containerised solution:

Housed in a fully furnished 40ft container, this easy-to-transport simulator solution features an integrated training room, a utility room and an instructor station. The container is fitted with integrated heating, air-conditioning and lighting.



Cab-enclosed solution



Containerised solution



Classroom solution

Advanced crane operator training

Simulators are globally recognized as a highly effective training method offering numerous advantages. Approved by Liebherr experts, LiSIM® ensures that the training is completed with utmost efficiency and at the highest safety level while costs and required time are kept at a minimum.

Increased safety

Non-destructive virtual port environment

Reduced costs

No expensive downtimes - no wear and tear

Higher turnover

Highly skilled operators for maximum productivity

Realistic simulation

Original software and hardware installed

