



REAL PRESSURE VIRTUAL RISK

ULTRA-REALISTIC, SAFE AND COST-EFFECTIVE TRAINING FOR YOUR OPERATORS

ThoroughTec Simulation is the world's leading developer of operator training simulators for high-risk equipment. With 25 years' experience training the world's leading mining, military and construction companies, we now bring you our 5th generation Full Mission Simulator for Crane Operators!

Increased Productivity

With CYBERQUIP Crane Simulators, your operators will learn how to safely, get the most out of your cranes, even under the most demanding of circumstances. The simulator automatically monitors operator behaviour and measures performance across a range of categories, providing you with comprehensive insight into their aptitude, ability and job-readiness. Specific areas of weakness are highlighted and the training system automatically adapted to target those behavioural aspects for improvement.

Increased Safety

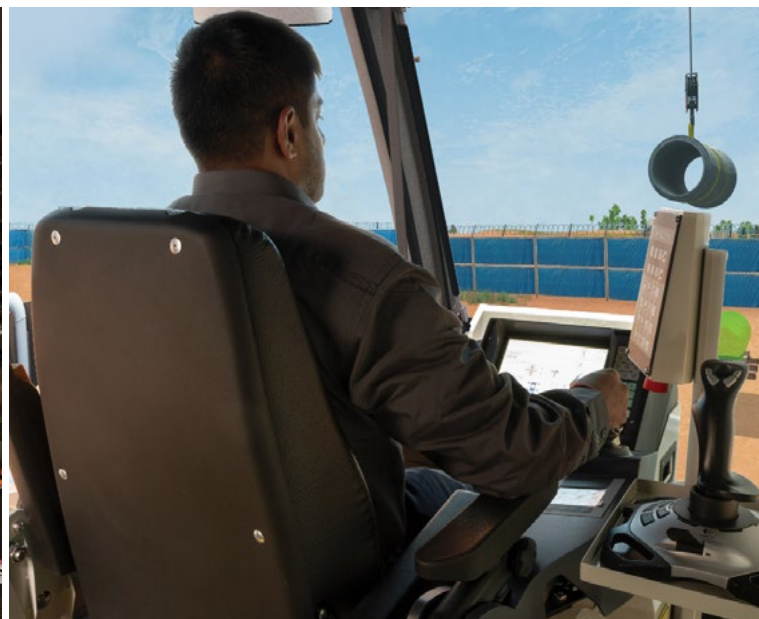
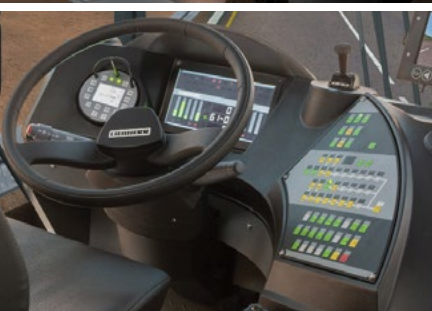
Training on a CYBERQUIP Crane Simulator allows your operators to gain confidence and build experience in a safe and controlled environment. Operators are taught to diagnose equipment faults, identify operational hazards and respond effectively to emergency situations, without exposing man or machine to any actual risk and harm.

Lower Maintenance and Training Costs

Your crane fleet is an extremely expensive asset, it is there to work. Training related down time is a direct opportunity cost and that is before one considers wear and tear or potential damage caused by novice operators. By utilising CYBERQUIP Crane Simulators for the lion's share of your practical operator training, all of this risk and cost falls away, leaving your cranes to work and giving you confidence in the competence and proficiency of your operators.

Increased Training Efficiency

CYBERQUIP Crane Simulators bridge the gap between traditional classroom-based learning and hot-seat training in real equipment. Learning is enhanced through the combination of visual and audio cues, motion feedback, and the immersion provided by the ultra-realistic simulation. Muscle memory is developed faster and learned skills retained longer than otherwise attainable through traditional training methods.



Real Controls

CYBERQUIP Crane Simulator cabs utilise actual OEM components and controls in order to look, feel and operate exactly like the real crane. Any crane from any OEM can be simulated, and the simulator cabs are interchangeable so that your entire crane fleet, including mobile cranes, crawler cranes and maritime cranes, can be accommodated on a single simulator base unit.

Ultra-Realistic Experience

CYBERQUIP Crane Simulators come standard with an electro-mechanical six-degree of freedom (6DOF) motion platform, providing ultra-realistic motion, at a level usually only seen in flight simulation. This is matched with additional effects systems, such as active steering feedback, full HD 360° laser projection and 5.1 surround-sound to completely immerse the crane operator in the training experience. In this manner, CYBERQUIP Crane Simulators ensure optimal retention of experiential learning.





Customised Virtual Worlds and Scenarios

CYBERQUIP Crane Simulators are delivered with an ultra-realistic, 3D virtual world. This generic training environment is modelled on a real-world construction site and includes incomplete buildings, pipework, tarred and gravel roads, construction vehicles and a number of relevant lifting objects and applications, all perfectly suited to training and evaluating your operators. However, should a customer have more specific, site or task training requirements, we are always happy to develop a customised virtual world to perfectly cater to those training needs.

Advanced Training and Evaluation Tools

CYBERQUIP Crane Simulators feature an integrated suite of powerful and intuitive training tools, allowing instructors to create a wide range of exercises such as: crane set up, truss placement, pipe laying, various loading and unloading tasks, container lifting, general driving and rough terrain driving. Operator behavior is monitored in real time, and automatically recorded and analysed for post-exercise performance reporting. Additionally, real-time coaching is facilitated through an in-session situational visualisation and messaging system, whilst debriefing takes place around the dynamic 3D After-Action Review (AAR) system.



ThoroughTec Simulation is an international, ISO 9001 and 14001 company, dedicated to developing the world's most realistic, reliable and effective training simulators.

With 25 years experience producing hi-fidelity Full Mission Simulators, ThoroughTec offers a full suite of design, manufacturing and after-sales services.

Having successfully deployed more than 500 vehicle simulators around the world, ThoroughTec Simulation stands out as a uniquely focused, specialist supplier of driver-operator simulators for complex, high-risk and high-cost equipment.

Contact ThoroughTec today to see how CYBERQUIP Crane Simulators can change the way you train!

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