



HOIST MISSION TRAINING SYSTEM

Bluedrop Training & Simulation's Hoist Mission Training System (HMTS) is a fully immersive virtual training device for mission specific external load hoisting operations.

Complete with a world database, real-time rendering of detailed visual cues, realistic sea states, and movement of wind over a multitude of scenarios, the user will feel completely immersed in the virtual environment.

The enhanced training system increases readiness in aircrews, provides varying environmental scenarios and can be configured to replicate any hour of the day. Trainees can work with a variety of operations and the simulation covers training in all terrain types including ocean, coastal regions, mountainous terrain and various other terrains such as jungle or Boreal forest.



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Safe and Cost Effective

The HMTS allows the trainee to practice mission critical skills in a safe, true-to-life environment. Trainees practice realistic rescue and hoisting operations in challenging scenarios complete with realistic cable behaviour that responds to flight dynamics and operator inputs.

Benefits of Immersive Virtual Training

- Seamlessly blend physical and virtual worlds
- Navigate and interact in spatially complex operational environments
- Train for dangerous malfunctions and emergencies in a safe environment
- Improved crew communication
- Renew or implement crew resource management skills
- Enhanced training for readiness at reduced operational costs
- Safe simulation of environmental conditions without introducing operational risks
- Record and capture examples of the lesson for detailed debriefs
- Optimized learning management
- Virtual reality technology has been shown to improve user performance in tasks such as spatial understanding, memorization and training

Features

- Fully configurable to any fuselage type based on customer needs
- Conduct advanced training for hoist operations using fixed and pendant hoist controls
- Realistic virtual environment
- High fidelity cable behaviour to practice physics of swinging loads in challenging scenarios replicating actual speed, directionality and tension
- Complements helicopter emergency rescue training curriculum and certification continuum
- Ability to seamlessly integrate with a variety of flight training devices
- Clean technology - reduces environmental footprint compared to live training

Mission Scenarios

- Initial testing of training in simulator
- Testing of progression and exam
- Situational and spatial awareness
- Offshore Oil and Gas operations
- Tactical Over-Land/Over-Ship/Rig
- Crew Resource Management
- Variable weather conditions
- Rules of engagement
- Search and Rescue
- Communications
- Prioritization

Portable Hoist Options

- Easy to transport
- Simple set-up in minutes



About Bluebird

Bluebird Training & Simulation designs, develops, and integrates advanced training solutions including state-of-the-art training and simulation products and highly interactive courseware. Our approach meets the demands of today's modern armed forces - providing blended training solutions from the classroom through to simulated virtual environments aimed at improving safety, productivity, and efficiency. Bluebird Training & Simulation is a small to medium-sized enterprise providing a strong value proposition offering 100% Canadian designed and developed solutions.