HELICOPTER MIXED REALITY TRAINING SYSTEM

REACHING NEW LEVELS IN MIXED REALITY FLIGHT SIMULATION.

Highlights and Advantages

Accelerated Proficiency through

- ✓ maximal immersion with 360° view
- ✓ feeling of flying through realistic dynamic motion (6 DoF)
- ✓ highly realistic environments using fully certified image generator
- ✓ real cockpit and pilot control interactions
- ✓ dynamic control loading / force feedback
- ✓ unique motion cueing algorithm to eliminate simulator sickness

Endless training capabilities

- ✓ Aircraft / Cockpit Familiarization
- ✓ Basic/Advanced Flight Procedures
- ✓ Demanding scenarios (sling load, mountain flying etc.)
- ✓ Emergency Procedures
- ✓ Preparation for license checks, upgrades and special operations
- ✓ Tactical and Formation Flying
- ✓ Networked Team Training
- ✓ Mission Training (VBS 4 ready)
- ✓ Mission Rehearsal

Easy and cost efficient to operate

- ✓ turnkey solution
- ✓ including operator Station
- ✓ reliable and robust
- ✓ fully electrical and easy to maintain
- ✓ modular, scalable, movable
- ✓ best value-for-money ratio

BRUNNER is proud of introducing the **NOVASIM MR | HELI** Mixed Reality Training System. It integrates the leading FlightSafety Mixed-Reality-Flight (MRF) technologies with powerful dynamic motion-enriched virtual training environments and creates an highly adoptable and agile Helicopter Training System for a multitude of operational challenges and training needs.

NOVASIM MR | HELI offers an affordable and easy–to-operate immersive training experience on a dynamic motion platform that enhances and accelerates pilot and crewmember training. The mixed reality experience, available for delivery through a virtual reality or mixed reality headset, and integrated with FlightSafety's VITAL 1150 Visual System, offers maximum pilot immersion and training experience.

HELICOPTER MIXED REALITY TRAINING SYSTEM

A new level in Mixed-Reality Helicopter Flight and Mission Training. Benefit from numerous advantages.

The Immersive Experience

NOVASIM MR | HELI fully integrates the innovative Flight Safety Mixed Reality Technology and VITAL 1150 Level-D capable Visual System with BRUNNER's advanced motion compensation algorithms and highly advanced and latency-free motion cueing algorithms into an unmatched product version for Helicopter Flight and Mission Training.

This Helicopter Training System can be configured for a wide range of helicopter types, allowing the easy integration of different instrumentations, platform specific controls and interactive panels and is ready to operate with BRUNNER's portfolio of drop-in dynamic Control-Loading Systems

FlightSafety VITAL 1150

The VITAL 1150 Image Generator can render normal rates of 120 Hz with up to 8K resolution, generating real-world visual environments in high resolution and at high speed. It incorporates advanced rendering techniques for enhanced weather scenarios including new cloud simulations using specialized elliptical shading that improve the 3D visual effects for added realism.

VITAL 1150 is also designed for use with FlightSafety's immersive mixed reality system, as well as unmanned systems and night vision goggle training.

HELI

H-145, S300, AH-64, Robinson, many others…

ABOUT

BRUNNER
dedication + innovation

BRUNNER Elektronik AG offers an innovative portfolio of Flight Training Solutions, powerful Control Loading Systems and Simulation Components supporting training applications which range from a simple Desk-Top-Trainer to Flight Navigation & Procedure Trainer and finally reaches professional Full-Flight- and Full-Mission Simulators.

ABOUT

FlightSafety
international

FlightSafety International is the world's premier aviation training company and supplier of flight simulators, visual systems and displays. FlightSafety advances aviation safety and mission effectiveness by flight simulation and professional training services. Today, FlightSafety enhances its capability and solutions spectrum with Mixed Reality technologies and strategies that allows offering affordable and immersive training experience that enhances and accelerates pilot and crewmember training in a variety of learning environments.