REISER SELECTS QUANTUM3D'S VISUAL SIMULATION PLATFORM FOR CIVIL FIRST RESPONDER HELICOPTER TRAINING

News / Business aviation, Maintenance / Trainings



Quantum3D, Inc., a leading provider of training and simulation solutions for government and commercial applications, today announced that it has been selected by Reiser Simulation and Training GMBH, a manufacturer of groundbreaking training technology, to provide image generators and synthetic visual databases for Reiser's civil Full-Flight Simulator (FFS) for 4t class helicopters. The planned FFS will be used for Helicopter Emergency Medical Services (HEMS) Training primarily in civil urban traffic environments and in offshore scenarios around Germany.

"HEMS pilots face challenging missions every day, and our goal is to provide the most realistic training experience including NVG missions with their real goggles which will maximize their safety and professionalism," said Frank Thieser, Managing Director, Reiser Training Services GmbH - Reiser's newly founded subsidiary owning the simulator and providing the service to its customers.

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"After an extensive evaluation, Quantum3D's IDX 8000 and MANTIS® technology and capabilities give us the most realistic, robust, and highest-performing solution for our application."

The Independence® IDX 8000 series offers both out-the-window and night-vision capability to drive the 15 visual channels in Reiser's simulator. Reiser will be training pilots on Quantum3D developed high-resolution synthetic visual database providing extremely realistic cues in critical near-ground helicopter search and rescue scenarios. The first version of this training platform will target the Airbus Helicopters model H145 (formerly known as the Eurocopter EC145T2). The FFS including its visual system will be qualified to CS-FSTD(H) Level D.

Quantum3D's new IDX 8000 image generator is built on the latest in visual computing technology, including Intel's Haswell-based Xeon CPUs and NVIDIA's Quadro M-series GPUs for the best performance, maximum reliability, and the highest levels of scene quality and realism available today. The IDX 8000 includes MANTIS - Quantum3D's award-winning software for real-time visual simulation. Based on modern GPU shader programming and with its vast array of plug-ins for special effects, MANTIS is well suited to exploit the new levels of hardware power within the IDX 8000. And when packaged with Quantum3D's GeoScapeSE® World-Wide Database, IDX 8000 provides an out-of-the-box solution that's ready to fly to thousands of airports, cities, and other destinations around the globe.

"Reiser is giving H145 pilots, a powerful training platform to enhance safety for the most demanding tasks," said Pratish Shah, president & CEO, Quantum3D. "We are excited that Reiser chose our IDX 8000 and MANTIS technology and our visual database services for their simulators to train pilots for this high-risk environment."

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