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REISER Unveils XR H145 D3 Simulator

Mixed Reality Meets EASA-Compliant MCC Training



Photo: REISER

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REISER Simulation and Training GmbH (REISER), in collaboration with [Varjo](#), announces the pre-qualification of the REISER H145 D3 Mixed-Reality (MR) Helicopter Simulator by the German Federal Aviation Office (LBA).

The simulator combines a full-scale haptic cockpit with two fully instrumented XR crew stations for pilot and co-pilot to practice SOPs, checklist flows, CRM, and mutual cross-checks in fully immersive scenarios.

REISER CTO Martin Keil: "With this achievement, REISER once again sets a new industry benchmark. We are the first to unite MR with a fully haptic cockpit, and to do so within a system that can be seamlessly operated in our proven full-flight simulators using roll-on/roll-off cockpit technology. This innovation underlines our mission to make the power of perception come alive in every training environment."

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Varjo CRO Valentin Storz adds: "REISER's XR Simulator is integrated with Varjo's latest XR-4 Series headsets that are purpose-built for mission-critical training. Together, we are enabling pilot training to take a fundamental leap toward virtual environments. We are proud to work with REISER in driving the adoption of qualified mixed reality FSTDs."

The H145 D3 XR simulator holds pre-qualification with the LBA under applicable EASA Special Conditions and is recognised as conferring FTD-3 privileges. Finally, full FTD-3 certification will follow the required FSTDQ qualification process and is expected to conclude early next year.

About Reiser Simulation and Training

Reiser Simulation and Training GmbH develops, manufactures and supports high-fidelity simulation training devices for civil and military operators. REISER's portfolio spans Full-Flight Simulators (FFS) and Flight Training Devices (FTD) through to customized training solutions, all focused on training realism, availability, and lifecycle value. Learn more at **reiser-st.com**.

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About Varjo

[Varjo](#) is the world-leading provider of military-grade virtual and mixed reality solutions, delivering the highest levels of immersion, performance, and security for the most demanding defense and aerospace customers globally. Already used in over 100 defense programs worldwide, we are known for virtual and mixed reality that look and feel as real as the real world, allowing modernizing training across land, sea, air, and beyond.

Our hardware and software solutions integrate with the world's largest ecosystem of professional 3D software, image generators, and advanced simulator hardware.

With Varjo's offering, including the latest XR-4 Series and the TAA-compliant XR-4 Secure

Edition, our customers can recreate the exact feeling and conditions of real life in 3D, allowing them to train faster, better, and more cost-effectively.

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