

Augmented Reality: Check

Aerial-dogfighting tech to advance fighter-pilot training

BY JENNIFER NON AND RANDY JACKSON, BOEING WRITERS

The future of flight training will take fighter pilots into an augmented world.

Boeing and augmented reality developer Red 6 are collaborating on aerial-dogfighting training technology — to potentially use for the T-7 and F-15EX, two of Boeing's most advanced tactical aircraft.



Using the system, pilots can see and interact with AR aircraft, targets and threats on the ground or in the air while flying and training in their actual aircraft. This reduces the cost of and need for multiple platforms and real-world training exercises.

“Our investment in this tech shows our drive to leverage the latest innovation and plug into the most effective training for fighter pilots,” said Jenn Weber, director of Boeing Global Services training.

NEXT-GEN TRAINING

The F-15EX uses advanced training technologies.

IMAGE: BOEING





According to Red 6, the training enables a multitude of tactical scenarios delivered through AR. These include air combat maneuvers, refueling, tactical formation and surface-to-air weapon engagements. It also increases the efficiency of mission planning, briefing and debriefing through real-time 3D visualizations to construct and reconstruct sorties.

By embracing AR, more pilots can be trained more efficiently at lower cost, ensuring they're ready for any scenario in any battlespace. [IQ](#)

FIGHT IN FOCUS

Fighter pilots get as close to the real thing as possible.

IMAGE: BOEING/RED 6

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JENN WEBER,
DIRECTOR OF TRAINING,
BOEING GLOBAL SERVICES



COCKPIT POINT OF VIEW

The AR helmet can be worn in the actual aircraft during flight.

IMAGE: BOEING/RED 6