

AUSA National Partner Profile

Kratos Defense & Security Solutions Inc.

Corporate Structure—President and CEO: Eric M. DeMarco. Executive Vice President and Chief Financial Officer: Deanna Lund. Headquarters: 10680 Trenea St., 6th Floor, San Diego, CA 92131. Website: www.kratosdefense.com.

Kratos Defense & Security Solutions Inc. develops and fields transformative, affordable technology, platforms and systems for U.S. national security-related customers, allies and commercial enterprises. Employing 2,900 people worldwide, Kratos specializes in unmanned systems, satellite communications, cybersecurity/warfare, microwave electronics, missile defense, hypersonic systems and training.

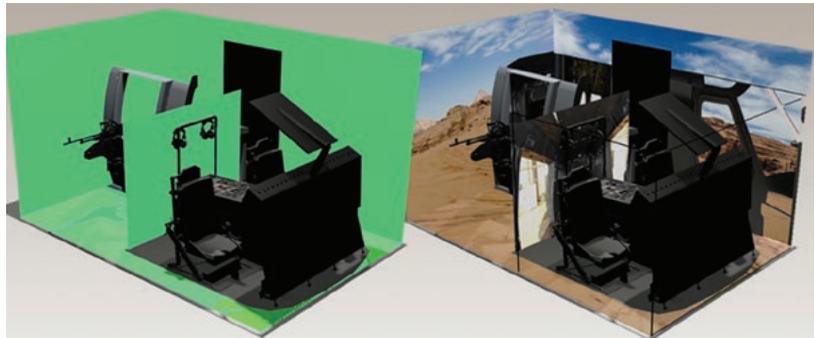
Kratos is a leading provider of state-of-the-art, unmanned tactical aerial platforms and high-performance aerial target systems for U.S. and allied warfighters. Kratos satellite ground solutions, products and services support more than 85% of U.S. space missions and 75% of its commercial satellite operations.

Kratos training solutions are the subject of this profile.

Today, hands-on, real-world training is supplemented with virtual, augmented- and mixed-reality training scenarios. Kratos' military training mission is simple: improve warfighter survivability and lethality with the latest in simulation and mixed-reality training technologies.

To help ensure warfighters are ready for battle, resilient to evolving tactics and able to quickly recover from setbacks, Kratos integrates the latest in virtual-reality, augmented-reality and mixed-reality technologies with its state-of-the-art simulation systems and instructional design capabilities to create immersive and semi-immersive training environments.

At Kratos, technology, simulation systems and curriculum development are seamlessly blended to create holistic training environments



KRATOS DEFENSE & SECURITY SOLUTIONS INC.

Depictions of the interior of the Kratos Defense & Security Solutions Inc. Holodeck platform in rotary-wing configuration show it in reality, left, and in virtual view.

that deliver truly immersive training solutions that lower costs, speed development and build warfighter readiness.

The key differentiator of mixed reality is that it enables digital content and real-world content to interact in real time, in ways beyond augmented reality and virtual reality. The effects of tactile, audio and visual sensory cues on a participant's sense of presence in a virtual environment directly correlate to the success of training. Kratos' innovative mixed-reality platform makes those sensory experiences real and intense, creating a fully immersive experience that truly mimics the combat environment. A potentially disruptive technology, Kratos' mixed-reality platform is being evaluated by DoD components to appraise next-generation technology and products for soldier lethality and air traffic control training.

The platform's key advantage is that it enables mixed-reality-based training to be delivered to the point of need virtually anywhere. The light source panels can be configured to accommodate various sizes and shapes—from rotary aircraft cabins to air traffic control towers to marksmanship firing ranges to the Kratos Holodeck.

For two decades, Kratos has designed and manufactured state-of-the-art air, ground and naval

simulation systems for U.S. and allied forces. Kratos combines virtual and physical components with course development products to create courseware that maximizes training realism. Kratos is integrating augmented-reality, virtual-reality and mixed-reality technologies into these systems to achieve greater immersiveness and a more realistic combat experience.

Kratos develops performance-driven learning solutions with a rigorous systematic design process that employs theories of cognition, motivation, adult learning theory and a criterion-based framework. Kratos can automate the development of the simulation-based curriculum and interactive media instruction, integrating the simulation and virtual elements for all phases of training.

Kratos Aircrew Training Center aircrew simulators provide aircrew members with training equivalent to what they would have received on their own simulator or aircraft. The Air Force Global Strike Command has approved the center's Aerial Gunnery Trainer Simulator to be used in crediting sorties toward some of their annual aerial gunnery training requirements: evidence that virtual reality is increasingly becoming a viable complement to live training.