



Solutions for Military Simulations

Enabling Aviation Training



Core Capabilities

Simulation Platform Development	High-Fidelity Simulation	Rendering & Analytics
Digital Reconstruction	Live & Ever-Evolving System	Advanced A.I. Solutions

An instrumented world with ultimate fidelity, physics-based simulation and modeling across air, land, sea, and EMS domains.

Metrea Simulations has created the next generation simulation platform to provide an immersive environment for high fidelity simulation in all domains. Harnessing the commercial power of gaming by using Unreal Engine, the NOR platform takes simulation to the next level.

With ultimate fidelity and a focus on training effects, NOR can help customers achieve training goals far more effectively and affordably.

Metrea Simulations (MSIM) provides unique solutions for military training simulation through our wide-range of expertise in engineering, rendering, and AI.

The age of having one simulator per squadron has passed. In the NOR platform, every pilot is able to have access to their own simulator with VR and type-specific HOTAS. The same software can run in a full mission simulator using mixed reality, easing the transition between different forms of training.

With stunning visuals and an instrumented world, NOR facilitates the training of all mission types, including the Advance Tactical Trainer and Close Air Support, which depicts a realistic ground environment.

Whether a customer needs help with full flight and systems modeling or re-hosting of original aircraft software, MSIM can deliver solutions. The NOR platform provides a solid base for full world simulation and any type of vehicle or system can be integrated and simulated.



In-Engine Images of the MSIM NOR System



In-Engine Environment of the MSIM NOR System

Metrea | Adaptation, Accelerated.

Metrea delivers rapidly adaptive effects as-a-service to our multi-domain mission partners across C5ISR, mobility, and training.

Electromagnetic & Space Group (EMSG)

Metrea Advanced Signals (MAS)

Leading-edge secure communications and electronic warfare (EW) software and hardware systems

Metrea Spectrum Operations (MSO)

Provides SI, EW, and cyber expertise, operational support, and training capabilities

Metrea Orbital Effects (MOFX)

Space-based ISR using Synthetic Aperture Radar (SAR) satellites in Low Earth Orbit (LEO)

Metrea Algorithmic Technologies (MAT)

Coming soon...

Pathfinding Group (PFG)

Metrea Discovery Partners (MDP)

Prospecting in commercial deep tech ecosystem for new technology with national security applications

Metrea Strategic Insights (MSI)

Operational and strategic analysis and research for national security customers

Metrea Mission Data (MMD)

Military and security consulting services, software, and training for ISR, EW, and Tactical Data Links

Metrea Simulations (MSIM)

Ultimate-fidelity, physics-based simulation and modeling across air, land, sea, and EMS domains

Aviation Group (AVG)

Metrea Special Aerospace (MSA)

Turnkey 'ISR-as-a-Service', special mobility, and special operations rotary wing training

Metrea Strategic Mobility (MSM)

Air-to-air refueling operations using proprietary Metrea-owned and integrated aircraft

Metrea Aviation Services (MAVS)

Flight services, technical services, and aerospace engineering services in Florida and Oklahoma

Metrea Aerial Effects (MAFX)

Newly set-up worldwide aerial special missions BU focused on civil and defense applications