

CymSTAR Launches CymLITE-FPV, an Integrated Drone Training Module, at Paris Air Show

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/EINPresswire.com/ -- [CymSTAR](#), a trusted name in military training and simulation, today announced the launch of [CymLITE-FPV](#), a new First-Person View (FPV) unmanned aircraft training module integrated into the CymLITE ecosystem. Built on the Mission Combat Simulator (MCS)—designed by Mission Systems, S.A. and distributed in the United States by CymSTAR. CymLITE-FPV brings a scalable, mission-ready solution to the evolving demands of unmanned systems training.



CymSTAR provides CymLITE-FPV to train drone operators.

CymSTAR unveiled CymLITE-FPV during its 2025 Paris Air Show showcase. This launch underscores its commitment to advancing international defense training initiatives. Designed for networked, multi-domain combat scenarios, CymLITE-FPV enables operators to train for ISR, swarm tactics, kinetic strikes, and joint-force coordination in realistic, operationally constrained environments.

“We are anticipating future requirements and taking a proactive approach to innovation,” said Daniel Marticello, President and CEO of CymSTAR. “With CymLITE-FPV, we’re enabling FPV drone training to evolve within a mission-ready, scalable simulation framework. We’re bringing the same rigor to unmanned systems that we’ve applied to manned aviation and joint training.”

Key capabilities include:

- MCS-Based Realism with high-fidelity terrain, urban clutter and environmental effects
- Mission Planning Tools that embed drones into larger tactical or operational scenarios
- Networked Simulation using Distributed Interactive Simulation (DIS) protocol for integrated team training
- Full-System Integration with manned aircraft, ground vehicles and C2 assets in a shared virtual battlespace
- Scalability to support new drone models, control devices and evolving tactical profiles

- After-Action Review (AAR) for manned-unmanned mission debriefs and performance analysis
- VR/MR Interface Options to meet a range of training environments and use cases

CymLITE-FPV is designed to support tactical ISR, GPS-denied training, loitering munition operations and airspace deconfliction, among other mission sets. It also enables combined arms training by linking unmanned and manned systems in a shared virtual battlespace, with After-Action Review and support for custom terrain.

Initial development is being conducted in collaboration with U.S. Army and Marine Corps stakeholders, including the U.S. Military Academy's Office of Research. CymSTAR is also exploring SBIR and WERX pathways to accelerate integration and fielding.

Available in desktop, deployable and VR/MR configurations, CymLITE-FPV ensures training flexibility for both garrison and forward environments. The module strengthens CymSTAR's position in the growing unmanned systems training market, with planned expansion into additional drone models, control devices and mission profiles.

This new capability complements CymSTAR's broader innovation portfolio, which includes image generation, LVC simulation and deployable training systems for Air, Land and Joint forces.

About CymSTAR

CymSTAR is a premier aircrew training systems integrator offering engineering, training services, and simulation products to the U.S. Armed Forces, Allied nations, and leading organizations in the aerospace industry. With over 20 years of experience, we specialize in modifications, upgrades, development, integration, and sustainment of training systems designed to prepare military personnel for mission readiness and operational success.

Our company is proud to be a HUBZone-certified small business, employing over 200 skilled professionals across the United States. At CymSTAR, we understand our clients' unique needs, and our team is committed to delivering customized solutions tailored to their specific requirements.

Whether you want to enhance your aircrew training programs, develop new capabilities, or sustain existing systems, CymSTAR is your trusted partner—

Proven, Reliable, and Unmatched. Contact us today to learn more about our comprehensive range of products and services and how we can help you achieve your goals.

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