

CymLITE-ATLAS XR Series



Introducing the CymLITE-ATLAS XR Series: Multiple Missions. One Deployable Training Platform.

Struggling to provide aircrews with realistic training wherever the mission takes them? Tired of trying to squeeze value and time from a full flight simulator? Disappointed with smaller systems that don't provide the fidelity required for mission readiness? Solve it all with CymLITE-ATLAS XR.

The newest offering in the CymSTAR CymLITE Series, CymLITE-ATLAS XR, is a scalable, deployable, comprehensive ecosystem that delivers an unparalleled, mixed-reality training experience across multiple missions, aircraft, and environments. Built on certified aircraft and Weapon Systems Trainer (WST) data, the CymLITE-ATLAS XR Series redefines the benchmark for aircraft fidelity, using modular tools to create a single interoperable network for procedural and flight training.

Training Versatility

CymLITE-ATLAS XR delivers a unique capability: empowering warfighters to engage in continuous training and practice while deployed. CymLITE-ATLAS XR enables this anytime, anywhere training using physical and virtual elements that harness the power of Extended Reality (XR) and can be customized for evolving mission profiles. CymLITE-ATLAS XR includes:

- **Aircrew Trainer:** high-fidelity, mixed-reality training in a compact, modular format
- **Virtual Flight Deck (VFD) Trainer:** an immersive digital environment for procedural and systems training
- **Flight Management System (FMS) Trainer:** a realistic software-based platform for familiarization and proficiency



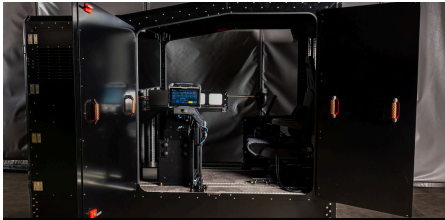
Why CymLITE-ATLAS XR?

The CymLITE-ATLAS XR Series introduces a suite of high-impact features that replicate large-aircraft equipment, providing training opportunities within a simulated environment to individuals and crews, on-site or remote. Its key benefits and features include:

- Value-driven capability at a fraction of the cost and footprint of a full-flight simulator
- Unmatched fidelity and concurrency using certified aircraft and WST data
- Scalability, ranging from individual task trainers to full-mission crew configurations
- Interoperability across multiple platforms: C-5, C-17, KC-46, KC-135, C-130, and more
- Distributed mission training and rehearsal with network-ready assets
- Easily updatable to maintain aircraft concurrency
- Consistent, high-quality training without WST scheduling limits
- Enhanced mission readiness and modernization across the aircrew community

Critical Skills

CymLITE-ATLAS XR helps students learn, practice and master everything from fundamental procedures to complex tactical operations. The skills learned include:



Aircrew Trainer

- Crew resource management
- Aircraft systems familiarity
- Taxi, takeoff, and landing
- Aircraft handling
- Visual navigation
- Formation flying
- Aerial refueling
- Threat recognition and response
- Weather avoidance
- Low-level navigation
- Emergency procedures
- Safety protocols



Flight Management System Trainer

- System familiarization
- Flight planning
- Route programming and management
- Cross-crew coordination
- Workload management
- Navigation data management
- Performance calculations
- Error recognition and correction

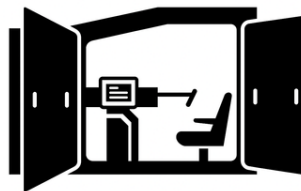
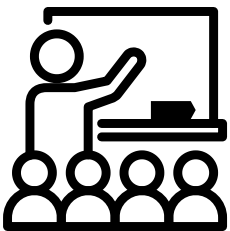


Virtual Flight Deck Trainer

- Procedural sequencing
- Systems familiarization
- Checklist execution and management
- Cockpit resource coordination
- Avionics/system integration
- Resource and risk management
- Emergency and abnormal procedures

CymLITE-ATLAS XR – Part of the Training Continuum

A holistic training platform, the CymLITE-ATLAS XR Series exemplifies CymSTAR's expertise, delivering a comprehensive training system spanning classroom instruction to lightweight and full-flight simulator training.



About the CymLITE Series

The CymLITE-ATLAS XR Series is part of CymSTAR's CymLITE Series, which offers cost-effective aircrew and mission trainers for learning, practicing, and mastering procedures, understanding flight dynamics and realistic system behaviors before transitioning to full-flight simulators or aircraft operations. These lightweight trainers ensure readiness and proficiency virtually anywhere, anytime, setting a new standard for accessible, high-quality training.

