

CymLITE Series - DART

Leading Aircraft Fidelity with XR Technology - Your Standard, Our Innovation.



Overview

The CymSTAR Deployable Air Refueling Trainer (DART) is the inaugural offering in the groundbreaking CymLITE Series of simulators. Engineered to deliver unparalleled training capabilities, the CymLITE Series redefines the benchmark for aircraft fidelity in the industry. These simulators harness the cutting-edge power of extended reality (XR) technology, delivering the highest caliber immersive procedural and flight training experience.

The CymLITE DART is an indispensable deployable trainer that accurately simulates the C-5's Air Refueling capabilities. Forming an integral component of a holistic training platform for the C-5, the CymLITE DART exemplifies CymSTAR's expertise in training, offering a comprehensive Training System spanning from classroom instruction to lightweight and full-flight simulator training.

Setting itself apart by utilizing Government-owned architecture and certified aircraft and aero performance data – a unique CymSTAR approach and offering.

Critical Skills

Air refueling operators facilitate safe and efficient fuel transfer from tankers to receiving aircraft during air-to-air refueling operations. From the perspective of the receiving aircraft, several skills and considerations are paramount for the success of such operations. The CymLITE DART empowers students to hone these critical skills, enabling them to excel in this demanding environment.

Key skills include:

- Aircraft Handling in Turbulence
- Visual Navigation
- Effective Communication between the Receiving Aircraft and the Tanker
- Formation Flying
- Emergency Procedures
- Safety Protocols
- Familiarity with Aircraft Systems
- Teamwork and Crew Coordination



To master these skills and execute their duties effectively, air refueling operators require rigorous training and practical experience. The DART from CymSTAR offers a unique capability, allowing operators to engage in continuous training and practice while operating from a deployed location, thereby maintaining proficiency and ensuring safe operations under various conditions.

CymLITE DART - Part of the Training Continuum



Key Features

The CymLITE DART introduces a suite of high-impact features that faithfully replicate the C-5 aircraft equipment, providing training opportunities within a simulated environment to individuals and crews. Its key features and benefits include:

- Compact and Deployable in Operational Environments
- Immersive XR Technology
- Realistic Training with High-Fidelity Aerodynamics, Control Loading, and Visuals
- Concurrent Updates with Government-Approved Simulator Software



About the CymLITE Series

CymSTAR's CymLITE Series 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.

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