ADVANCED CARGO LOADING AND DELIVERY SYSTEM

THE EVOLUTION OF A LEGEND

Faster onload and offload, more accurate airdrops and greater aircrew safety

The Collins Aerospace Advanced Cargo Loading and Delivery System (ACLADS) takes a 1950s-designed cargo compartment into the 21st century. Advanced electronics and hardware cut aircraft loading and unloading times by 50 percent and significantly increase airdrop accuracy and aircrew safety.

Integrated software combines load planning, weight and balance calculations, as well as flight management systems integration into a single package.

The system simplifies legacy manual and labor-intensive processes such as preflight, loading and airdrop operations by integrating electronic monitoring and wireless operation.

Computer-controlled event sequencing reduces human error and greatly increases on-load, offload, airdrop and emergency functions.

KEY FEATURES

- Meets or exceeds current industry design criteria for modern military transport aircraft logistic and airdrop systems
- Saves time and money by reducing all logistic operations through the use of automation and systems integration
- Reduces aircraft exposure in a combat environment and cuts the time to complete military operations involving air transport
- Offers the only digitally controlled airdrop and “one button” malfunction response system
- Secures, monitors and executes precision air drops of cargo, vehicles and troops in all required tactical methods
- Optional video camera for reverse taxi
ADVANCED SYSTEM ELEMENTS

ACLADS consists of a loadmaster station with touchscreen displays that are proven, mil-spec and aviation-grade. With them, operators can command a network of lock control units and control panels to sense inputs, measure force and activate and release locks.

High-criticality software and processing hardware manages the required automation, safety and precision required of modern airborne logistic systems.