

Air Cargo Warehouse Logistics & ULD Management

Improving efficiency, handling accuracy, and performance

2 DAYS COURSE | MIN PARTICIPANTS | Available Languages: DE+EN

AIR CARGO HANDLING

AVIATIONNOW.ACADEMY

Description

Air cargo warehouse operations are evolving from handling functions into performance-critical systems within increasingly complex and time-sensitive logistics networks. This program provides a comprehensive and future-oriented understanding of warehouse logistics and ULD management, focusing on operational efficiency, handling accuracy, and performance optimization across the entire cargo handling process.

Participants gain both practical and strategic insights into modern warehouse environments, including process design, resource utilization, ULD lifecycle management, and the integration of Lean and performance-driven approaches into air cargo operations. ULDs are positioned not only as handling tools, but as critical assets influencing safety, efficiency, and operational reliability.

The course goes beyond traditional handling procedures by connecting operational execution with performance outcomes such as speed, quality, cost efficiency, and risk reduction. Special attention is given to the interaction between warehouse, ramp, and aircraft operations, ensuring a system-wide understanding of air cargo logistics. Through interactive exercises, real-world scenarios, and case-based learning, participants learn to identify inefficiencies, optimize processes, improve handling accuracy, and strengthen coordination across operational interfaces. By the end of the program, participants are equipped to improve warehouse performance, optimize ULD handling and utilization, reduce operational risks, and contribute directly to more efficient, reliable, and future-ready air cargo operations.

Target group

- Airline, cargo airline and ground handling operations staff and warehouse personnel
- Freight forwarders, logistics professionals and cargo handling specialists
- Operations supervisors, performance managers and ULD management personnel
- Instructors and trainers in air cargo operations

Class location: Classroom training in Europe, or worldwide in-company

Included: course material, certificate

Learning objectives

- Understand the role of warehouse operations as critical performance drivers within the broader air cargo logistics system and value chain
- Analyze end-to-end cargo handling processes to identify inefficiencies, operational risks, and structured optimization potential
- Apply systematic approaches to improve operational efficiency, handling accuracy, and overall process reliability in the warehouse
- Understand ULDs as critical operational assets and manage their lifecycle, utilization, and handling structured and performance-oriented
- Optimize ULD build-up, break-down, storage, and movement processes to ensure safe, efficient, and consistent operational execution
- Integrate Lean principles and process optimization methods into cargo handling operations to reduce waste and improve flow
- Improve coordination and interface management between warehouse, ramp, and aircraft operations to ensure seamless process integration
- Strengthen decision-making and operational control in time-critical, high-pressure air cargo environments
- Identify, analyze, and reduce operational errors, damage risks, and process deviations through structured approaches and best practices
- Understand and apply safety, security, and regulatory requirements in warehouse and ULD operations within real operational contexts
- Manage special cargo requirements, including DG and temperature-sensitive shipments, with a focus on operational accuracy and compliance
- Evaluate warehouse performance and identify improvement opportunities across processes, infrastructure, equipment, and daily practices

Course outcomes

- Improved operational efficiency and handling accuracy in warehouse environments
- Reduced operational errors, rework, and process inefficiencies
- Optimized ULD handling, utilization, and operational control
- Stronger coordination between warehouse, ramp, and aircraft operations
- Increased reliability, safety, and consistency in cargo handling processes

