

Aviation Logistics: Mastering Supply Chain and Air Freight

Aviation
Cape Town (South Africa)
29 Sep - 03 Oct 2025

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Aviation Logistics: Mastering Supply Chain and Air Freight

Ref: 321393_139509 **Date:** 29 Sep - 03 Oct 2025 **Location:** Cape Town (South Africa) **Fees:** 3300 Euro

Course Description

This intensive 5-day course provides a comprehensive overview of supply chain management and air freight logistics in the aviation industry. Participants will gain in-depth knowledge of global aviation logistics, air cargo operations, and innovative supply chain strategies. The course combines theoretical concepts with practical applications to prepare professionals for the dynamic challenges of aviation logistics.

Learning Objectives

- Understand the complexities of aviation supply chain management and air freight operations
- Apply best practices in cargo handling, transportation, and warehouse management
- Analyze global trends and emerging technologies in aviation logistics
- Develop strategies to optimize air freight processes and reduce operational costs
- Implement effective risk management and security measures in air cargo operations

Course Modules

Day 1: Introduction to Aviation Logistics and Supply Chain Management

- Overview of the aviation industry and its supply chain
- Key components of air freight logistics
- Global trends and challenges in aviation logistics
- Regulatory framework and compliance in air cargo operations

Day 2: Air Cargo Operations and Handling

- Air cargo types and special handling requirements
- Cargo acceptance, documentation, and tracking systems
- Aircraft loading and weight distribution principles
- Ground handling operations and equipment

Day 3: Supply Chain Optimization in Aviation

- Inventory management and demand forecasting
- Warehouse design and management for air cargo
- Transportation network optimization
- Supply chain visibility and performance metrics

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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Day 4: Technology and Innovation in Aviation Logistics

- Digital transformation in air freight logistics
- E-freight and paperless cargo processing
- IoT, AI, and blockchain applications in aviation supply chains
- Data analytics for decision-making in air cargo operations

Day 5: Risk Management and Future Trends

- Risk assessment and mitigation strategies in air freight
- Security measures and compliance in air cargo
- Sustainability and environmental considerations in aviation logistics
- Emerging trends and future outlook for the air cargo industry

Practical Wins for Participants

- Develop a comprehensive air freight logistics strategy for your organization
- Create an action plan to implement cost-saving measures in air cargo operations
- Design an efficient warehouse layout optimized for air freight handling
- Formulate a risk management framework for air cargo security and compliance

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point on the board.

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www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335