

# BUILDING A HIGH PERFORMANCE MAINTENANCE TEAM FOR AN INTERNATIONAL AIRPORT

*“Engineering Excellence, Operational Readiness, and Team Synergy for World-Class Airport Maintenance”*

## Schedule

Date	Venue	Fees (Face-to-Face)
04 – 05 Nov 2026	Dubai, UAE	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

## Introduction

Airports are complex environments with mission-critical systems requiring constant, expert maintenance to ensure safety, efficiency, and compliance. This 2-day intensive course is tailored to address the unique challenges of building and leading a high-performance maintenance team specifically for international airports.

Participants will learn how to align maintenance operations with international aviation standards, optimize resource utilization, implement predictive maintenance strategies, and foster a culture of reliability and accountability. Through expert-led sessions, case studies, and team workshops, this course empowers professionals to elevate their airport maintenance capabilities to global benchmarks.

## Objectives

By the end of this course, participants will be able to:

- Understand the unique demands of airport maintenance operations
- Design a high-performance maintenance structure aligned with ICAO/FAA/EASA standards
- Apply strategies for preventive and predictive maintenance in airside and terminal areas
- Lead, motivate, and organize maintenance teams for peak efficiency
- Monitor KPIs and compliance using modern CMMS tools
- Build a maintenance culture that prioritizes safety, reliability, and continuous improvement

## Why Attend

- Learn to lead and structure a world-class airport maintenance team
- Gain insights into aviation safety and maintenance compliance standards
- Discover advanced scheduling and performance tools for airport systems
- Boost team morale, accountability, and technical skills
- Get hands-on tools and strategies to reduce downtime and increase readiness

## Target Audience

This program is designed for:

- Maintenance managers and engineers in airport operations
- Heads of airside, terminal, and landside maintenance
- Technical supervisors and facilities engineers
- Airport infrastructure and asset management personnel
- Aviation project managers and engineering consultants

## Individual Benefits

Key competencies that will be developed include:

- Technical leadership and team development
- Maintenance planning, scheduling, and workforce optimization
- Airport-specific system knowledge (lighting, HVAC, baggage systems, runways)
- Use of KPIs and CMMS for maintenance excellence
- Decision-making under pressure and regulatory compliance

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased availability and reliability of airport systems and equipment
- Streamlined maintenance workflows and reduced corrective interventions
- Enhanced safety and compliance with international aviation standards
- Stronger team collaboration and communication
- Better asset lifecycle management and cost-efficiency

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Industry standards, airport operations, and maintenance models
- Case Studies - Real-world airport maintenance scenarios and improvement projects
- Workshops - Team-based planning exercises and KPI tracking simulations
- Peer Exchange - Group discussion on challenges in airside and landside systems
- Tools - Templates for team roles, preventive maintenance plans, checklists, and audit forms

## Course Outline

### DETAILED 2-DAY COURSE OUTLINE

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

#### Day 1: Strategic Structure of Airport Maintenance Teams

- Module 1: Overview of International Airport Maintenance Requirements (07:30 – 09:30)
  - Unique characteristics of international airport operations
  - ICAO/FAA/EASA maintenance compliance standards
- Module 2: Designing a High-Performance Maintenance Organization (09:45 – 11:15)
  - Roles and responsibilities for optimal team structure
  - Job competencies and training needs assessment
- Module 3: Predictive and Preventive Maintenance Strategies (11:30 – 01:00)
  - Implementing scheduled, predictive, and condition-based maintenance
  - Maintenance for runways, terminals, baggage systems, HVAC
- Module 4: Workshop – Building a Role-Based Team Matrix (02:00 – 03:30)

#### Day 2: Performance Optimization, Safety & Leadership

- Module 1: Monitoring KPIs and Using CMMS Effectively (07:30 – 09:30)
  - Key performance indicators for airport maintenance
  - CMMS dashboards and maintenance logs
- Module 2: Safety, Emergency Readiness & Regulatory Compliance (09:45 – 11:15)
  - Maintenance during emergencies and airfield disruptions
  - Occupational health and safety practices
- Module 3: Team Leadership and Workforce Engagement (11:30 – 01:00)
  - Leading multi-skilled and shift-based teams
  - Motivation, accountability, and communication skills
- Module 4: Final Workshop – Maintenance Action Plan & Performance Dashboard (02:00 – 03:30)

## Certification

Participants will receive a Certificate of Completion in Building a High-Performance Maintenance Team for an International Airport, verifying their advanced competency in structuring, managing, and optimizing airport maintenance teams aligned with global operational and safety standards.

## Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

### In-House / Customized Training

Interested in running this course for your team?

Please contact us:

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