



Quality Management & Operational Excellence

## **Strategic Quality Management in Aerospace Industry**

## Course Introduction

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The aerospace industry operates under some of the most stringent quality standards in the world. This 5-day course, delivered by BOOST, is tailored to help professionals in the aerospace sector master strategic quality management. You'll learn how to align quality objectives with industry regulations, implement robust quality systems, and leverage advanced tools to ensure continuous improvement. Whether you're in manufacturing, engineering, or compliance, this course will prepare you to lead quality initiatives that meet the highest standards of safety and reliability.

## Target Audience

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- Quality managers and directors in aerospace
- Aerospace engineers and project managers
- Compliance and regulatory professionals
- Professionals involved in aerospace manufacturing and operations

## Learning Objectives

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1. Understand the principles of strategic quality management in aerospace.
2. Align quality objectives with aerospace regulations and standards.
3. Design and implement effective quality management systems for aerospace.
4. Use data and metrics to monitor and improve aerospace quality.
5. Explore tools and methodologies for managing quality in aerospace.
6. Develop a roadmap to integrate quality into your aerospace strategy.

# Course Outline

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## • 01 DAY ONE

### **The Foundations of Quality Management in Aerospace**

- Welcome and introduction by BOOST
- Why quality management is critical in aerospace
- Key concepts: Aerospace quality frameworks, standards, and regulations
- Aligning quality objectives with aerospace strategy
- The benefits of embedding quality into aerospace planning

## • 02 DAY TWO

### **Designing Quality Management Systems for Aerospace**

- How to design effective quality management systems for aerospace
- Key components: Policies, processes, and performance metrics
- Tools for implementing aerospace quality management (e.g., AS9100, NADCAP)
- Ensuring compliance with aerospace standards and regulations
- Building a scalable and adaptable quality framework

## • 03 DAY THREE

### **Data-Driven Quality Management in Aerospace**

- The role of data in aerospace quality management
- Identifying and tracking key aerospace quality metrics (KPIs)
- Using data analytics to improve aerospace performance and reliability
- Tools for collecting, analysing, and visualizing aerospace data
- Communicating aerospace quality performance to stakeholders

## • 04 DAY FOUR

### **Continuous Improvement in Aerospace Quality**

- Strategies for fostering continuous improvement in aerospace quality
- Root cause analysis and problem-solving techniques
- Leveraging advanced technologies to enhance quality processes
- Building a culture of quality within aerospace teams
- Overcoming common challenges in aerospace quality management

## • 05 DAY FIVE

Implementing and Sustaining Aerospace Quality Strategies

- How to successfully implement aerospace quality plans
- Monitoring progress and making data-driven adjustments
- Ensuring long-term sustainability of aerospace quality initiatives

Creating a roadmap for strategic aerospace quality management

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 19, 2025	May 23, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
July 14, 2025	July 18, 2025	5 days	4250.00 \$	UAE - Dubai
Oct. 26, 2025	Oct. 30, 2025	5 days	4250.00 \$	KSA - Jeddah