

Lean Six Sigma for Aviation

Duration

4 Days + 4 Days
(Total 64 hours)

Target Audience

- Executives & Managers
- LSS project team
- Anyone interested to apply Lean Six Sigma methodology & management

Methodology

- Games & Exercise
- Assignment
- Team Presentation
- Cases Studies
- On-site visit
- Quiz
- Classroom

Certificate Awarded

- A Jardine Aviation Academy certificate is awarded upon successful completion of the course
- Training qualification equivalent to Six Sigma Green Belt
- Certificate signed by qualified Six Sigma Master Black Belt

In addition to traditional Lean Six Sigma course, this course will provide you not only overview of the methodology, but also tailor-made contents and focus on Lean Six Sigma deployment in Aviation Industry, as well as illustrate you the successful cases of how JAS make tremendous benefits throughout the journey of applying the methodology.

Objectives

Upon completion of the course, participants will:

- Understand the Lean Six Sigma methodology and the tools necessary to support various implementation projects
- Apply DMAIC methodology in Aviation industry
- Identify wastes and save operating cost with lean methodology
- Lead project team to improve process performance and quality
- Create the right structure and culture to drive continuous improvement

Course Outline

- See next page



Jardine Aviation Services

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Lean Six Sigma for Aviation (cont.)

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Course Outline

1) Topics in Six Sigma DMAIC methodology:

Define	Measure	Analyze	Improve	Control
<ul style="list-style-type: none"> • VOC • SIPOC • Pareto Analysis • Project Scoping • COPQ • Project Charter 	<ul style="list-style-type: none"> • Data Collection • Process Mapping • Measurement System • * Process Capability Study 	<ul style="list-style-type: none"> • Root Cause Analysis • * Distribution Analysis • * Statistical Analysis • Graphical Tools 	<ul style="list-style-type: none"> • * FMEA • Solution Selection • Pilot plan • Implementation Plan • Results Validation 	<ul style="list-style-type: none"> • * Statistical Process Control • * Control Plan • Standardization & SOP • Project Handover

* only covered in full version

2.) Topics in LEAN methodology:

- MUDA
- Kaizen
- * PDCA
- * 5S
- * Standard Work

3.) Other topics to equip you as Project Leader of Lean Six Sigma Projects

- Roles & Responsibilities of LSS organization
- Project Governance & Tollgate Review
- * Project Administration



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课程期间

12 天（基本版）

（包括不少于50 小时课堂时数及安排个别学员指导环节）

课程对象

- 行政人员及经理
- 项目团队及负责人
- 解决问题和流程改进的实践者
- 对实践精益六西格码方法有兴趣的人仕
- 希望成为黑带或绿带的人仕

授课形式：

- 游戏和练习
- 指派作业
- 个案分析
- 经验分享
- 考试
- 课堂

除了傳統的精益六西格碼課程之外，本課程不僅會為您提供方法論概述，還會為您量身定制內容，專注於精益六西格碼在航空業的應用及推廣；並為您展示怡中航空如何創造成功案例，在應用該方法的整個過程中帶來巨大的好處。

课程目标

完成课程后，参与者将能够：

- 了解精益方法论的概述
- 对项目选择及应用适当的精益工具
- 在生活及工作上实践精益

课程内容

- 了解精益六西格码方法和所需的工具以开展改善项目项目
- 在航空业套用著名的六西格码 DMAIC方法及步骤
- 选择并利用合适工具配合系统的方法解决难题
- 使用精益方法识别浪费并节省运营成本
- 跟踪和衡量项目收益，例如生产力改进、效率提高和成本降低等
- 领导项目团队以提升营运流程表现及和质量
- 创建正确的结构和文化以推动公司的持续改进旅程



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航空业专属精益六西格玛 课程 (继续)

获颁证书:

- 学员顺利完成课程后，将获颁怡中航空服务公司培训证书
- 培训资格相当于六西格玛绿化带
- 证书由六西格玛黑带大师联合签发

课程大纲：

完成课程后，参与者将能够：

1) 六西格玛 DMAIC 方法论的课题：

界定 D	衡量 M	分析 A	改善 I	控制 C
<ul style="list-style-type: none"> • 客戶心聲 • SIPOC • 帕累托分析 • 界定項目範圍 • 品質成本 COPQ • 項目約章 Project Charter 	<ul style="list-style-type: none"> • 數據採集 • 流程映射 Process Mapping • 測量體系 • * 過程能力研究 Process Capability Study 	<ul style="list-style-type: none"> • 根本原因分析 • * 數據分析 Data Analytics • * 統計學分析 Statistical Analysis • 圖形工具分析 	<ul style="list-style-type: none"> • * 失效模式影響分析 FMEA • 解決方案選擇 • 試點計劃 • 實施計劃 • 結果驗證 	<ul style="list-style-type: none"> • * 統計過程控制 SPC • * 控制方案 Control Plan • 標準化 & 標準作業程序 SOP • 項目交接

* 仅包涵在完整版

2) 精益方法论课题：

- 浪费 MUDA
- 改善 Kaizen
- * PDCA
- * 5S
- * 标准作业

3) 精益六西格玛项目负责人的其他课题：

- Lean Six Sigma 组织的角色和职责
- 项目治理和进程审查
- * 项目项目管理



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