



Design of Experiment Application Training

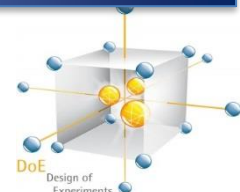
試驗設計應用培訓 (Taguchi Method 田口方法) (#DOE-U1)

Training Objectives 培訓目標

- To understand the basics of Design of Experiment (DOE) and relevant Terms
瞭解試驗設計的基礎和術語
- To understand the application scope of Orthogonal Experiment (Taguchi Method)
瞭解正交試驗 (田口方法) 的應用範圍
- To understand the Orthogonal Experiment methods and evaluation criteria
瞭解正交試驗的常用方法和評價準則
- To understand the scientific mechanism of Orthogonal Experiment
瞭解正交試驗的科學性
- To develop expertise to improve design parameters through Orthogonal Experiment
發展利用試驗設計改善設計參數的技能
- To develop expertise to optimize process settings and quality performance through Orthogonal Experiment
發展利用試驗設計優化工藝條件和質量性能的技能

Recommended Prior Knowledge 建議的事先認知

- Experience in basic statistical concepts
數據統計相關經驗
- Problems in the implementation of DOE process in own organization
本組織的試驗設計過程中遇到的問題





Suitable for 培訓對象

- Design or Manufacture engineers/technicians, QMS Engineers/Auditors, 6-Sigma Implementers, MR, Managers, Experts in quality related field.
設計或製造工程師/技術員、質量工程師/審核員、6-Sigma 推行者、管理者代表、經理、質量管理領域相關的專業人仕
- Persons seeking career opportunities in quality management field.
尋找與質量管理領域相關的就業機會的人仕

**Keep learning.
Be outstanding!**



Training Approach 培訓形式

- Lecturing by tutor 講師面授
- Exercises (individual or by team) 練習 (個人或小組)
- Workshops 討論演練
- Materials and Lecturing in Chinese
培訓資料和授課語言為中文
- Tutor: Experienced Trainer with Auditor Qualification
講師：經驗豐富的具備審核員資格的培訓師





Course Agenda 課程安排

1 DAY 天

Day 日程	Items 項目	Evaluation 評估
DAY 1+	<ul style="list-style-type: none">• Forewords 前言• Basics of DOE and relevant Terms 試驗設計的基礎和術語• Orthogonal Experiment Application 正交試驗的應用<ul style="list-style-type: none">• Single Factor Experiment 單指標試驗• Multi-Factors Experiment 多指標試驗• Mixed Fractional Factorials Experiment <advanced course only> 水平數不同的試驗 <僅進階課程>• The scientific mechanism of Orthogonal Experiment 正交試驗的科學性• ANOVA Analysis for Orthogonal Experiment 正交試驗的方差分析法• Workshops 討論演練• Q&A 問答• Evaluation 測評	Participation Required 要求參與



Related Course 相關課程:

DOE Advanced Training 試驗設計進階培訓

#DOE-U2R, 1.5 days 天

Add in-depth discussions and application practice on the basis of above course #DOE-U1. 在上列課程 #DOE-U1 的基礎上增加深入討論和應用練習。

#DOE-U2, 2 days 天

Add exchanges on real cases provided by participants on the basis of Course #DOE-U2R. 在課程 #DOE-U2R 的基礎上增加學員提供的真實案例的交流討論。



Evaluation and Certificate 評估和證書

1. Evaluation based on Participation 參與表現評估

- A Certificate of Attendance by DQS will be issued to the registered participants who have participated in the whole training course and completed all assignments, but have not been successful in passing the evaluation.

全程出席並完成課程任務，但未能通過測評的學員可獲得DQS頒發的培訓出席證書。

2. General Evaluation 綜合評估

- A Certificate of Successful Completion by DQS will be awarded to registered participants who have participated in the whole training course, completed all assignments, and passed the evaluation.

全程出席和完成課程任務，並通過測評的註冊學員可獲得DQS頒發的培訓完成證書。



Contact Information 聯絡信息

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[Registration Form 報名表](#)