

INTRODUCTION

This two-day workshop provides participants with essential knowledge and practical skills in Failure Mode and Effects Analysis (FMEA) based on AIAG 4th Edition guidelines. Through practical exercises and case studies, participants will learn to identify potential failure modes, evaluate risks and develop effective preventive actions to reduce failures, improve process reliability and support continual improvement.

OBJECTIVE

Participants will be benefit by being able to:

- Understand FMEA principles and their role in risk management.
- Identify potential failure modes and assess risks using Severity, Occurrence and Detection (SOD).
- Develop and implement FMEA using AIAG 4th Edition guidelines.
- Apply effective corrective and preventive actions for continual improvement.

COURSE CONTENTS

Introduction to FMEA

- FMEA principles, benefits and risk management
- Types of FMEA: Concept, Design, Process and Machinery
- Multidisciplinary approach and IATF 16949 requirements

FMEA Planning & Risk Assessment

- FMEA inputs, planning and team responsibilities
- Severity, Occurrence and Detection (SOD) ratings
- Risk mapping and Control Plan integration

FMEA Tools & Development

- Boundary Diagram, P-Diagram and Process Flowchart
- Failure modes, effects and cause analysis
- FMEA worksheet and risk evaluation

Corrective Actions & Continuous Improvement

- Risk prioritisation and corrective action planning
- FMEA monitoring, follow-up and improvement
- FMEA as a living document

Practical Exercises & Application

- Group case studies and FMEA development
- Walk-through simulations and application review

CERTIFICATION

Certificate of Attendance

TARGET GROUP

- Managers, Supervisors, Team Leaders
- Engineers & Quality Personnel
- Professionals involved in product, process or system planning, design and implementation

METHODOLOGY

Facilitator presentation

Case study

Group discussion

Practical Exercises

Walk-through Simulation

HRDF SBL-KHAS Claimable



ABOUT SPEAKER

Trainer: Tang YK

Education

- B. Sc. Physics (First Class Honours), University Malaya

Qualification

- Nearly 30 years of experience in corporate training, operations and consulting
- Certified Global Supply Chain Black Belt (University of Tennessee)
- Certified Lean Six Sigma Yellow Belt
- Accredited HRD Corp Trainer
- Qualified FTEP FMEA Trainer
- Experienced in ISO 9001, ISO 14001, ISO 45001 and IATF 16949
- Experienced in process and supplier auditing, quality and productivity improvement

FOR MORE DETAIL, PLEASE CONTACT

YN Safety and Health Consultancy Services Enterprise

Name : Elaine Tan
Phone : 0149208100
Email : yn.leadsafety@gmail.com

Other Safety and Health Consultancy Services are provided. Please contact to get more details.