Process Failure Mode Effects Analysis

Background

The Process Failure Mode and Effects Analysis (PFMEA) Training provides participants with a structured framework for identifying, analyzing, and mitigating risks within manufacturing and production processes. Drawing from the AIAG & VDA PFMEA Handbook, this course emphasizes proactive risk management, process reliability, and alignment with global standards. Through hands-on activities and expert guidance, participants will gain the skills needed to enhance operational efficiency and compliance.

Learning Objectives

By the end of this course, participants will be able to:
- Understand the principles and importance of PFMEA in manufacturing and production.
- Develop Process Flow Diagrams (PFDs) as a foundation for robust risk analysis.
- Apply the 7-step PFMEA methodology to identify failure modes, causes, and effects.
- Evaluate risks using Severity, Occurrence, and Detection (SOD) ratings and Action Priority (AP).
- Conduct audits of PFMEA to ensure compliance with industry standards.
- Integrate PFMEA findings into Control Plans for continuous improvement and enhanced reliability.

Agenda

1. Introduction to PFMEA
2. Understanding Process Mapping
3. Process Flow Diagrams (PFDs)
4. The 7 Steps of PFMEA
5. Auditing PFMEA
6. Application and Continuous Improvement

Additional Information

- 2 Days