

2 Days Workshop

Mistake-Proofing (Poka-yoke)

Introduction

Many things can go wrong in the complex environment of the workplace; every day there are opportunities to make mistakes that will result in defective products.

Defects are wasteful, and if they are not discovered, they disappoint the customer's expectation of quality. Behind mistake-proofing is the conviction that it is not acceptable to produce even a single defective product.

To become a world-class competitor, an organisation must adopt a philosophy and practices of producing zero defects. Mistake-Proofing methods are one of the proven means for achieving this goal.

Course Contents

1.0 Principles and Concepts

- 1.1 Error and Defect
- 1.2 Limitation of Statistical Process Control (SPC)
- 1.3 Traditional PDCA cycle
- 1.4 The Elements of ZQC
- 1.5

2.0 Types of Inspection

- 2.1 Judgment inspection
- 2.2 Informative inspection
- 2.3 Source inspection

3.0 Outcome Based Approach Mistake proofing technique

- 3.1 Problem Definition
- 3.2 Mapping the process and 5-Why's Trees Diagram
- 3.3 Mistakes, Variation and Complexity Identification
- 3.4 Mistakes Classification
- 3.5 Implementing mistakes proof solution
- 3.6 Evaluating mistake-proofing solution