

PPKYK – Poka-Yoke (Mistake Proofing)



Poka-yoke was coined in Japan during the 1960s by Shigeo Shingo who was one of the industrial engineers at Toyota. Shigeo Shingo is also credited with creating and formalizing Zero Quality Control or **ZQC** (poka-yoke techniques to correct possible defects + source inspection to prevent defects equals zero quality control).

Poka-yoke helps people and processes work right the first time. Poka-yoke refers to techniques that make it impossible to make mistakes. These techniques can drive defects out of products and processes and substantially improve quality and reliability. Poka-Yoke is also known as Error Proofing or Mistake Proofing and can be seen as an extension to FMEA and Root Cause Analysis.

The workshop covers the following topics:

ZQC - Introduction to ZQC, Traditional versus ZQC Approaches, Elements of ZQC, Errors versus Defects, Methods of Product Inspection (Judgement, Informative and Source), introduction to Poka Yoke, Poka-Yoke Systems and Methods, Types of Sensing Devices (Physical, Energy, Condition and other), Devices that can link to Poka-Yoke Systems, When to Error-Proof and 7 Steps in Error Proofing.

The workshop also includes videos, activities and practical application of the concepts.

Benefits - The benefits an organization can expect are:

- Improved processes and products
- Better quality resulting in less scrap and rework
- Improved customer satisfaction as a result of the better quality
- Reduced overall cost from not making mistakes

The workshop is suitable for Managers, Supervisors and Team Leaders from Production, Quality Assurance, Maintenance and other relevant functional areas.

This workshop can be linked to the following unit standards:

21525 (Level 4, Credits 5) - Mistake proof a production process in a competitive manufacturing organization

Contact Productivity Institute to book your workshop(s) or for further information

PO Box 24499 Royal Oak Auckland-1345 New Zealand
Ph: 64 21 173 1060; Email: info@solutions4productivity.com
Web: www.solutions4productivity.com