

Workshop: FMEA Analysis

Date: 2020.0

Venue:

The goal of the course is to introduce the most widely used reliability method FMEA (=Failure Modes and Effects Analysis). Product designs can be improved with Functional FMEA and Component FMEA. Furthermore, the Quality standards describes the methods Design FMEA, including Process FMEA for manufacturing system improvements. The students will learn how to complete a successful FMEA-project, including effective FMEA documenting tools and practices. **Bring a scientific calculator with you.**

FMEA Analysis, 1-day Course	
8:00	<i>WELCOME and introduction to course program + coffee</i>
8:30	1. FMEA and Reliability <ul style="list-style-type: none"> - Reliability terms and concepts: failure definitions - Ensuring sufficient risk detection
10:15	<i>COFFEE break</i>
	2. FMEA types, Performing FMEA <ul style="list-style-type: none"> - Generic FMEA, steps to perform FMEA - Functional FMEA, Component FMEA
	- Exercises: Understanding failures
12:00	<i>LUNCH</i>
13:00	- Exercises / team work: System Analysis, a.Functional FMEA, b.Component FMEA
	3. Different FMEA types <ul style="list-style-type: none"> - Functional FMEA, Component FMEA - D-FMEA, P-FMEA, SW-FMEA.
14:15	<i>COFFEE break</i>
	- Exercises / team work: System Analysis, a.Functional FMEA, b.Component FMEA
	4. FMEA Organisation <ul style="list-style-type: none"> - Analysis team, design support, typical mistakes - Tools
	5. Summary <ul style="list-style-type: none"> - FMEA possibilities in system improvement - Application examples
16:30	<i>CONCLUSIONS, discussion</i>

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Course Fee: Day 1 and 2 can be taken separately.

Cancellation: Cancellation latest 1 week before course start day, after that 50 % fee is charged. A person may be substituted by another. If the cancellation is not made, the whole fee will be charged.