

## FMEA - with Failure rate calculations

The goal of the course is to give you a basic understanding of FMEA – Failure Modes and Effects Analysis -method, including Reliability basics. Techniques and tools are introduced to be included in the product design. Prior knowledge of the basic statistical methods will be helpful. Bring a scientific calculator.

### WEBINAR: FMEA – Failure Modes and Effects Analysis

#### *WELCOME and introduction*

#### **1. Reliability Basics**

- Terms, concepts and parameters
- Failure rate computation formulas

#### **2. Analysis Scope and Preparations**

- Easy method for system description: ensuring scope

#### **3. Failure modes and Failure rate estimation**

- Failure modes of mechanical components
- Failure modes of electrical components
- Calculation tool for electrical components, introduction

#### **4. FMEA/ FMEDA forms**

- Failure rate estimation using a basic FMEA/ FMEDA form

#### *LUNCH*

#### **5. Classification of Failures: Criticality**

- Framework for Failure criticality classification
- Effect of Failure detection

#### **6. Overview of the Method**

- Practical application

#### *CONCLUSIONS, discussion*

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**Price:** eur/ team. Course materials in pdf.

Cancellation latest 1 week before. After that 50 % fee is charged, if the cancellation is not made, the whole fee will be charged.