

Functional Safety – EN 61508 Application, Calculations

The goal of the course is to give you a basic understanding of Functional Safety as in the EN 61508 standard. Calculations and tools are introduced to for the MTBF and SIL of electronics, as well as the documents required in the 'EN 61508 world'. Prior knowledge of the basic statistical methods will be helpful. Bring a scientific calculator.

WEBINAR: EN 61508 – Functional Safety

WELCOME and introduction

1. Purpose of the standard

- overview of contents
- 'good engineering practice', application to design projects

2. Architectural constraints - requirements

- how to check, apply and conform
- effect on SIL-parameters

3. Introduction to calculations and tools

- Calculation methods of Failure rate, electronics, mechanics
- Calculation of dangerous failures

LUNCH

4. What are the most important documents to be done

- Specifications, Functional Safety

5. How to respond if a customer requires EN61508 compliance

- Example approaches

CONCLUSIONS, discussion

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Price: eur/ team. Included: 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.