

Functional Safety – EN 61508 Application, Calculations

Date: 2021
Venue: webinar

The goal of the course is to give the engineers a basic understanding of Functional Safety and especially the EN 61508 standard. Calculation techniques and tools are introduced to determine the MTBF and SIL of electronic products, as well as the most important documents required in the 'EN 61508 world'. Prior knowledge of the basic statistical methods will be helpful. **Bring a scientific calculator with you.**

EN 61508 – Functional Safety	
9:00	<i>WELCOME and introduction</i>
9:05	1. Purpose of the standard <ul style="list-style-type: none">- overview of contents- 'good engineering practice', application to design projects
	2. Architectural constraints - requirements <ul style="list-style-type: none">- how to check, apply and conform- effect on SIL-parameters
	3. Introduction to calculations and tools <ul style="list-style-type: none">- Calculation methods of Failure rate, electronics, mechanics- Calculation of dangerous failures
11:30	<i>LUNCH</i>
12:00	4. What are the most important documents to be done <ul style="list-style-type: none">- Specifications, Functional Safety
	5. How to respond if a customer requires EN61508 compliance <ul style="list-style-type: none">- Example approaches
14:00	<i>CONCLUSIONS, discussion</i>

Contact/

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Price: eur/ team. Included: course materials in pdf.

Cancellation: Cancellation latest 1 week before, 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.