

Safety and reliability of electrical / electronic and programmable systems

DESCRIPTION

This seminar will provide an overview regarding which techniques and measures form the basis for safety-relevant E/E/PE systems according to EN 50129, EN 61508 or SIRF.

In addition, you will have an overview of which options you can consider in order to obtain trustworthy reliability values for subsystems, components or parts

The following points are covered:

Safety-relevant E/E/PES

- Fundamentals
- Techniques and measures
- Standards-compliant development
- Standards-compliant verification before an assessor

Reliable E/E/PES

- Fundamentals (terms of reliability, correlations of reliability variables, How to deal with the requirements to the requirements (subsystem, component or part))
- Reliability analysis
- Reliability prediction
- Procedure if analysis and predictive analysis are not possible

SEMINAR CONTENTS

DAY 1 09.00-17.00

- Fundamentals EN 50129, EN 61508 and SIRF
- HW quality assurance, methodology
- Hardware safety
- Requirements management

DAY 2 09.00-17.00

- Basics of the reliability of safety-relevant hardware
- Predictive methods for E/E/PES systems
- Analysis methods for E/E/PES systems
- Further procedure for the proof of reliability

Seminar-No. 03.02

DATES & COSTS

On-demand	Inhouse
Length:	2 Days
Fee:	1.500,00 €

incl. lunch and certificate of participation
plus VAT

TARGET GROUP

- Technical project manager
- HW Development, E-Engineering,
- Approval department staff
- Safety authority staff

LANGUAGES

