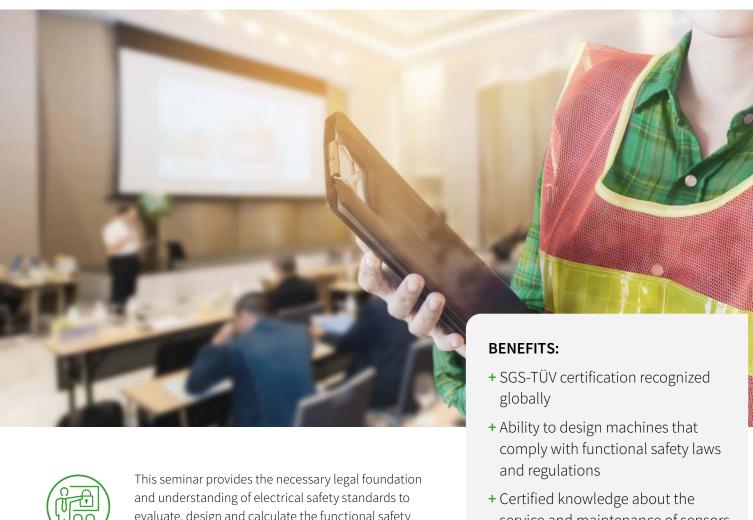


Certification Course

CERTIFIED ELECTRICAL **SAFETY ENGINEER** (CESE)

Become a TÜV-certified safety expert.







evaluate, design and calculate the functional safety of machinery. Through this seminar Wieland provides industry recognized SGS-TÜV Saar certification. This certification covers the functional safety aspects of machinery with a focus on programmable electrical, electronic and electro-mechanical requirements.

service and maintenance of sensors, logic and electronics related to the functional safety of machines



- Directives, law and standards
- Risk assessment according to EN ISO 12100
- Functional safety according to EN ISO 13849-1 and -2
- Sensors, logic and actuators related to safety (Safety Functions)
- Realization of safety performance level (PL)
- Verification and validation of safety systems

DURATION

CONTENTS

3 days including the exam (see prerequisites noted below)

- Design Engineers
- Application Engineers

WHO SHOULD ATTEND

- System Integrators
- Service personnel
- Security specialists and machine safety experts

CERTIFICATION REQUIREMENTS

Minimum two (2) years of experience in design, construction or service of functional safety systems.

NUMBER OF PARTICIPANTS

Maximum 12 persons



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https://www.wieland-electric.com/en/support/training/ces or contact your local sales representative for more information.



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Training + services for the safety of your machines.

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