

Functional Safety  
Certified Engineer Application

# Certificate FSCEA

TÜV NORD Systems GmbH & Co. KG hereby certifies that

**Frank Grünloh**

has successfully completed the  
Functional Safety Certified Engineer Application Workshop  
and fulfils the qualification criteria for the  
Functional Safety Certified Engineer Application

## IEC 61511

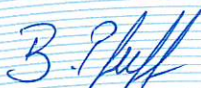
- Functional Safety Management (FSM)
- Life Cycle Model – from concept through hazard and risk analysis up to decommissioning
- Design of Safety Instrumented Systems
- SIS Software and Documentation

**Certificate No.: A031\_01149/17**

Date of issue: 2017-11-23

Valid to: 2020-11-23

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