

**30/9 and 1/10 - Vienna (Austria)**

# **COURSE TO BECOME COMPETENT in FUNCTIONAL SAFETY**

Two days with the fundamental notions on how to study risks, evaluate them and insert the levels of protection necessary to reduce risks from dangerous events, according to IEC 61508 and IEC61511

- IEC61508 and IEC61511 standards introduction
- Risk and hazards, how to study and avoid them?
- Protection Layers for hazardous event
- Terms and concepts in the FSE (SIL, SIF, PFD...)
- Hazard Operability (HAZOP), SIL allocation using common methodologies like Risk Graph and LOPA
- SIL Verification by Systematic Capabilities, Probability of failure on Demand and Architectural Constraints
- Safety Instrumented System (SIS) architecture
- Safety Requirement Specification (SRS)
- Functional Safety Assessment
- Class room Exercise (SIL analysis, SIL verification, Design of SIS)
- Final Test

## **Who should attend?**

Automation and Instrumentation engineers  
Process Engineers  
HSE engineers  
Maintenance and instrumentation engineers  
Managers of engineering departments  
Risk, reliability, safety and quality engineers

## **For information and registration**

- [www.fs.synelecs.at](http://www.fs.synelecs.at)
- [trainings@synelecs.at](mailto:trainings@synelecs.at)
- +43 676 953 47 76

## **TRAINER**

**Davide Enrico Arnoldi**  
**TÜV Rheinland FSeng (#2138/09)**  
Each participant will receive  
**MYND and SYNELECS certificate of attendance**

To date, more than 450 engineers have followed our training

### **To contact MYND**

Mob. +39 347 3748752  
Mail: [info@myndservices.com](mailto:info@myndservices.com)  
[www.myndservices.com](http://www.myndservices.com)

Skype:  
[mynd\\_company](https://www.skype.com/name/mynd_company)



Stay social  
with us!

