

# FUNCTIONAL SAFETY AND SIL DETERMINATION TRAINING IEC 61508 & 61511

Empowering Engineers to Design,  
Assess, and Maintain Safety-  
Critical Systems



## What You'll Learn

- ✓ Solid understanding of functional safety principles
- ✓ Ability to perform SIL determination confidently
- ✓ Practical exposure to Risk Graph and LOPA
- ✓ Enhanced safety culture and compliance awareness

## Training Details

- 📅 2 days
- 🕒 In person
- 📍 QATAR/KSA/UAE

## Contact Us



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## COURSE OBJECTIVES

- Understand the importance of functional safety and the safety lifecycle concept.
- Perform SIL target setting based on risk reduction requirements.
- Assign SIL using structured methodologies such as Risk Graph and Layer of Protection Analysis (LOPA).
- Interpret and implement key requirements after SIL assignment, including safety specification and lifecycle management.



### Course Content

### Who Should Attend

- Introduction to Functional Safety
- SIL Determination & Selection
- Hazard & Risk Analysis Methods
- Safety Lifecycle Requirements
- Practical Exercises & Case Studies

Process Engineers  
Instrumentation & Control Engineers  
Safety Engineers  
Project & Design Engineers

### Delivery Method

Two-Day Classroom Program  
Interactive learning experience featuring:  
Engaging lectures  
Group discussions and breakout sessions  
Real-world case studies and hands-on exercises

### Course Provider- Mr.Festin Tomy

Festin Tomy brings over 22 years of international experience in Process Safety and Functional Safety across the Oil & Gas, Mining, and Aviation sectors. He has worked with leading organizations including ADNOC Offshore, Advisian, MEPAU, Woodside, and Technip, developing and implementing robust safety frameworks from design to decommissioning.



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