

The Sixth Dimension: Training



THE 6th DIMENSION

We provide comprehensive training programs, both onsite and office-based, tailored to meet our clients' specific needs. Our courses cover a wide range of topics, from basic system operation to advanced troubleshooting and maintenance. By equipping teams with essential skills and knowledge, we ensure they can effectively operate and maintain their automation systems.

Basics of Functional Safety

Training program on Basics of Functional Safety

Course Contents:

- Introduction of TÜV Rheinland.
 - Introduction of Functional Safety.
 - Why Functional Safety.
 - Applicable Functional Safety Standards and their evolvement.
 - Hazard identification and Risk assessment.
 - Layers of Protection.
 - Concept of SIF and SIS.
 - Concept of Safety Integrity Level (SIL), Risk reduction.
 - Concept of Safe Failure Fraction (SFF)
 - Architectural Constraints and Hardware Fault Tolerance (HFT)
 - Safety Critical systems: Difference between prevention and mitigation.
 - Importance of Safety Requirement Speciation.
 - Functional Safety Competency of individuals and team working on Safety Critical Projects.
 - Functional Safety management (FSM).
 - SIL Verification.
 - Installation & Commissioning check lists.
 - Importance of Proof testing.
 - Incident Case study
 - Question & Answers.
- Examination: Multiple choice questions, No negative marking.
 - Duration: 1 day (For both Online & Offline)