

# The Sixth Dimension: Training



THE 6<sup>th</sup> 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.

IEC 60601-1 General requirements for basic safety and essential performance  
& IEC 60601-1-2 Collateral Standard: Electromagnetic disturbances – Requirements and tests

## Course Contents:

### Day 1:

- Introduction of TÜV Rheinland
- Introduction of Trainer and the team
- Understanding IEC 60601 series
- IEC 60601 series brief history
- IEC 60601 Scope (inclusions and exclusions)
- Important terms
- General requirements
- Concept of Hazard, Safety & Risk management – ISO 14971
- Identification, Marking and Documentation
- Protection against Electric shock

### Day 2:

- Protection against Mechanical hazards
- Protection against Radiation Hazards
- Protection against Temperature Hazards
- Programmable Electrical Medical Systems (PEMS)
- Construction of ME equipment
- IEC 60601-1-2: EMC requirements
- Study of Sample test reports as per IEC 60601
- Examination: Multiple choice questions, No negative marking.
- Duration: 2 days (For both Online & Offline)