

Machine Safety Advanced – 2 days

Course Agenda

Day 1:

- Introduction.
 - Trainer
 - Participants
- Machine safety standards and their relationship
 - ISO 12100 – Inclusions and exclusions
 - IEC 62061 – Inclusions and exclusions
 - ISO 13489 – Inclusions and exclusions
- Determination of limits of machinery.
- Hazard Identification.
 - Practical example of Hazard identification
- Risk Assessment.
 - Practical example of Risk Assessment
- Risk reduction - Layers of protection.
 - Practical example of Layers of protection
- SIL Determination.
 - Practical example of SIL Determination
- Incident case study
- Question and answers & Homework.

Day 2:

- Recap of Day 1.
- Discussion on Homework.
- Management of functional Safety.
- Concept of Safety-Related Control Functions (SRCF)
- Concept of Safety-Related Electrical Control System (SRECS)
 - Practical example of Performance levels
- Complimentary protective measures.
- Markings, Warnings and signs for accident prevention.
- Personal Protective Equipment.
- Machine safety check list.
- Behavioral safety check list.
- Examination –20 multiple choice questions, 2 marks each. No negative marking. 10 descriptive questions, 4 marks each

Session Timings:

Session 1 : 10:00 Am to 01:00 PM

Lunch break : 01:00 PM to 02:00 PM

Session 2 : 02:00 PM Am to 05:00 PM