



Safety Instrumentation Systems and Fire Detection

Course Code No. OG-I-TH02

Period	2 Days – Theory and Practical
Min/ Max Class Size	5/ 15 persons
Registration Fee/ Person	5,500 THB/person ext. VAT
Venue	Laemchabang/ Songkhla/Client Site
Certificate	MOGIT
Accommodation	Not included
Lunch & Break	Not included
Pre Course Requirement	None
Schedule Available	As requested or scheduled

Course Overview

The course aims to provide the basic theoretical knowledge on Safety instrument System and Fire & Gas System .

Canary in a coal mine , Fire and Gas System, Heat Detectors, Smoke detectors, Flame Detection, Explosive limits, Gas Detectors, Fire and Gas Detection System, manual call point, Cause and Effect Chart, Shutdown Hierarchy, Emergency shutdown level, Who is going to activate an ESD?, Logic, Annunciation

The course conducted by experienced instructor from fields.

Who Should Attend

All technicians ,engineers ,production operators and interested person.

Course Outline

What is Hazard, Risk , Accident ,Industrial disasters, Safety Standards, Safety Life Cycle , Risk reduction, Layers of protection, Risk Reduction Factor (RRF),Safety Instrumented Function (SIF),Safety Integrity Level (SIL),SIL Determination, Concept of Demand Probability to Fail on Demand (PFD)

Average Probability to fail on demand (PFD avg), Safety system design & verification ,Typical SIL Architecture , Why do we need to test Safety Instrumented Systems? ,Valve Testing - Bypass method ,Partial Stroke Testing.

Language

Thai or English