



Fire Safety Management



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Introduction:

Fire safety within a building or plant must be managed to be effective. Therefore; this course is concerned with the overall study of fire prevention, fire development, fire containment, fire dynamics, fire decay and suppression, and the means by which the management of fire safety measures mitigate the consequences of fire in human, environmental and financial terms.

Naturally, there cannot be an off the shelf solution. Every workplace is different. The purpose of this course is to improve fire safety not simply to collect and file risk assessments. So are you confident? Ask yourself that if a major fire occurred in your section, department or plant will people, including visitors and contractors, know exactly what to do and where to go? Will members of staff be able to instigate and implement the available emergency procedures? To help answer these questions this course will investigate the principles and practices of warnings, evacuation, emergency procedures, training and exercises.

Who Should Attend?

Team Leaders, Managers, Superintendents, Line Managers, General Supervisors, Foremen, Supervisors, Project Managers, Fire Officers, Senior Fire Officer, Chief Fire Officers, Senior Fire & Equipment Personnel, Fire Coordinators, Fire Executives & Industry Personnel, Fire Responders, Fire Engineers Loss Prevention Engineers, Control Center Operators and Supervisors, Emergency Personnel, Emergency Dispatchers, Security Personnel and CCTV Operators, HSE Officers, HSE Engineers & Personnel, HSE Professionals, Emergency Response Team Members, HSE Managers and Auditors, HSE Professionals, Incident Control Point (Forward Control) Team Members, Inspectors, Advisors, Auditors, Laboratory Personnel, Process Control Engineers and Technicians, Process Control Designers and Systems Engineers, Instrumentation and Control System Engineers, Plant Engineers, Maintenance Personnel, Maintenance Engineers and Supervisors, Electrical and Instrumentation Supervisors and Technicians, Procurement and Supply Chain Managers, Engineers and Maintenance Personnel, experienced and new Auditors linked to the company's HSE Management Systems (HSE-MS), HSE-MS Personnel, Personnel involved in implementing the Company's HSE-MS, Security Personnel and CCTV Operators, Staff responsible for managing hazardous wastes, Supervisors and Line Management who have assigned responsibilities within the organization's Safety Management System (SMS).





Course Objectives:

By the end of this course, delegates will be able to:

- Learn the fundamentals of advanced fire safety management
- Learn how to carry out a comprehensive fire risk assessment
- Means of detecting and giving warning in the event of a fire
- Means of escape and emergency lighting
- Understand the requirements for signage and fire-fighting equipment
- How to provide Staff with information on risks and training
- Understand that requirements of a comprehensive fire risk assessment and training needs analysis for key responders
- A safer industrial environment for you and your company
- Learn the techniques for implementing effective fire safety management systems and emergency plans
- Understand the necessities for an efficient and timely response

Course Outline:

Advanced Fire Safety Management

- Course introduction, aims and objectives of the event
- Definitions and scope of fire safety management
- Moral, legal and financial reasons for promoting high standards
- A look at the statistics and of those companies who got it wrong
- Organizing for safety
- Fire safety management roles and responsibilities
- Consultation with all staff and contractors
- Work equipment
- Hazardous substances
- Concept of safety culture and its various components
- How to develop a positive safety culture
- Human behavior and human failure
- Effecting a cultural change
- Fire protection and fire prevention measures
- Checklists - escape routes; lighting; stairways; emergency exits; escape doors; alarms & hardware
- Maintenance, safeguards & operational features for exit routes
- Fire safety signage
- Fire detection systems





- Firefighting equipment
- Fire risk assessments and the methodology for carrying one out
- Competency to conduct risk assessments
- The risk assessment process
- Report back of assessment

Management and Control of the Identified Fire Risks

- Causes and prevention of fire
- Principles of fire and explosion
- Checklists, ignition sources and fuels
- Chemistry of fire
- Classifications of fire
- Principles of fire and smoke spread
- Portable Fire Extinguishers (PFE)

Safety of People, Fire Protection, Evacuation Drills, Alarms and Exercises

- Fire protection (preventive and protective measures)
- Who has the responsibility for assessing & planning in your organization?
- What do you have in place now? Can it be improved?
- Perception and behavior of people in the event of a fire
- Emergency evacuation procedures for fires and different assembly points for bomb warnings
- Learning from evacuation drills & firefighting exercises
- Alerting mechanisms, warn the people but will they do what you want?
- Guidance on developing fire training, drills and exercises
- How to design successful evacuation exercises
- What to do if the incident/evacuation is a prolonged one?

