

H S E

HEALTH

SAFETY

ENVIRONMENT



Contact us

Website: <https://btsconsultant.com/>

Email: info@btsconsultant.com

UAE office Tel: +971 26446633

Egypt Office Tel: +2 0502308081

Industrial Firefighting & Rescue in Process Plants

Duration: 5 Days



Introduction:

The course will introduce the key principles of safety, security and fire management, prevention and control at a primary management level and make delegates aware of and understand the vast range of topics involved in fire, safety and security by reviewing:

Application of risk management to the three elements of fire, safety and security

What needs to be considered in managing fire, safety and security

Why it is important that the three elements are managed in a holistic and coordinated manner

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,

Course Objectives:

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

- Acquire training and knowledge to competently muster and control a fire team and to assist outside agencies in emergency situations
- Have the necessary confidence, knowledge and skills required ensuring an appropriate response to a fire emergency in a team environment
- Know about review of operations, maintenance, engineering, inspection, fire safety and security
- Learn examination of work permits, emergency plans, plant modification controls, emergency shutdown testing and engineering standards
- Know about assessment of standards of design and construction, layout, process controls, plant condition and housekeeping
- Inspect and do protection of hardware and perform on-site inspection of process units, tankage, utilities, control room, jetty/truck/rail loading, firefighting equipment and security systems
- Understand the moral, business and possible legal reasons for putting fire, safety and security as a core activity
- Understand the main concepts of fire, safety and security management
- Obtain a thorough understanding of risk management and how it can be applied to fire, safety and security management
- Know the effectiveness and limitations of various controls
- Understand the hierarchy of control
- Understand what a management system is and how they are key to management of fire, safety and security

- Obtain an understanding of the control measures that can be used in the management of fire, safety and security
- Understand how to encourage continuous improvement in the management of fire

Course Outline:

Overview of the Concepts of Fire, Safety & Security Management

- Fire and safety procedures whilst on the course
- Basic fire awareness.
- The fire triangle, fire travel
- Classification of fires, flashpoint, self-ignition temperature, and products of combustion
- Reasons for managing fire, safety and security
- Discuss why managing fire, safety and security makes good business sense
- Overview of the concepts of risk management and how they can be used as a tool in the management of fire, safety and security
- Discuss what a management system is

Fire Management in High Risk Environments

- Provide an introduction into hazards associated with fire
- Nature and causes of fire
- Arson and terrorism
- insurance
- The fire hazards and safe handling of LPG and other flammable products
- Fire spread and its control
- The effects of water on enclosed spaces (Steam, humidity, reduced visibility and stability)
- Fire detection and prevention
- Fixed installations- Co2, sprinkler, drencher, inert gas, foam, dry powder

Fire Management, Insight into the Principles

- Fire safety engineering
- The role of the fire authority
- Passive fire safety principles and practice
- Fire risk management and control
- Current and proposed best practice
- Practical fire-fighting- fire blanket, extinguishers ö dry powder, foam, Co2, water
- Fire Parties and Muster Groups
- Psychology of respiration, CABA and BA control
- Search and rescue techniques
- Exercises in light smoke and live fire conditions

Fire Management: Prevention & Protection

- Detection and alarm systems
- Emergency lighting systems
- Smoke movement and control
- Sprinklers
- Means of escape
- Portable firefighting equipment
- Fire risk assessment
- Design exercise