



Security & Emergency planning processes



1st floor, Incubator Building, Masdar City, Abu Dhabi, UAE



00971-2-6452630



00971-50-6652671



info@btsconsultant.com



www.btsconsultant.com

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Introduction:

Do you as a manager fully know what security measures and emergency planning processes you have in place? In a management or supervisory role you need to convince your clients, colleagues and staff you have the expertise and these procedures in place. This program provides the essential abilities with a detailed concentration on managing a controlled exercise. The benefit of this role is critical to managers, supervisors and administrators who may have to pro-actively prepare for and possibly manage the unexpected.

Objectives

- To provide expertise to manage the health and safety process
- To complete supervised exercises in health and safety documentation development
- To provide expertise to complete and manage risks assessment
- To provide expertise to investigate and analyze safety statistics
- To monitor safety process and undertake audits

Who should attend?

- Managers and supervisors of security or emergency management
- Managers and supervisors who require to initiate and monitor security and emergency management procedures
- Personnel managing administration of assets or logistics

Methodology

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise





- Videos and General Discussions

Certificate

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration.

Contents

Hazards in various industries

- Lessons From Past Accidents
- History of Fires & Explosions
- Hazards in Process systems – Separation, Liquefaction, etc.,
- Hazards in Compressor Stations & Pipeline Transportation.
- Consequences of Spills & Leaks
- Major Effects from Chemical Accidents
- Types of Fires & Explosions
- Toxic Gas Dispersion

Working in Hazardous Areas – Basic Safety Procedures

- Workplace hazards & Component Inspections
- Safe Working Practices
- Identification of Flammable & Combustible Material/ Chemical Hazards
- Protocol for Identifying Hazardous Material
- Use of permits and procedures in critical areas
- Devising procedures & checklists to achieve a safe system of working with chemicals/ equipment (detect, avoid or compensate for error-likely procedural steps.)
- Basic first Aid – assessment of breathing, control of shock, burns etc.,

Advanced Safety Systems /Techniques

- Hazard Identification Process
- Results from Hazard Identification Procedures





- Goal of Hazard Identification
- Necessity for Hazard Identification & Procedure
- Risk Assessment Procedure
- Hazardous Area Classification in Industrial Plants
- Selection of appropriate technique
- Identification of Critical Equipment Safety System Performance Considerations

Hazard Prevention & Control Measures

- Safety Inspection and auditing Incident Reporting
 - Importance of Accident Investigation & Reporting
 - Failure Sequences
 - Classification of Causes
 - Accident Prevention
 - Elements of Incident Investigation
 - Reporting for Near-Misses & Accidents
- Handling Spills/ Leaks of Chemicals
 - Actions Required
 - Handling Gas Leaks
 - Prevention & Mitigation for Fire & Explosion hazards
 - Emergency Responses
- Maintenance of Equipment in Hazardous Areas
 - Safety Availability & Reliability
 - Protection of Equipment
 - Safety of Electrical Equipment

Emergency Response Management

- Identifying the key components of a Safety Management System (SMS)
- Emergency control
- Team and personnel training
- Resources and organization of the team and support facilities
- Investigation
- Safety Management Systems
- Relevant key elements that make up an integrated HSE Management System - SMS in action
- Planning for efficient emergency response and crisis management





- Establishing a major accident prevention policy
- Incident develop or crisis
- Structuring your organization's approach to crisis and emergency management
- The warning of the public in an emergency
- Justifying the role of industrial emergency response resources
- Methodology – Risk based scenario reviews
- Alternatives conclusions/findings
- Responding to the emergency
- Activating emergency response plans
- Undertaking crucial decision
- communications and problems encountered to bring the situation to a speedy conclusion
- Contracting out emergency process
- Choosing the right contractor
- Back up resources required

Loss Prevention Policies & Procedures

- Risk Reduction & Control Program
- Hierarchy of controls
- Inherently safer design strategies: Minimize, Substitute, Moderate, Simplify;
- Industrial examples
- Safety Management Systems
- Safety A New Perspective
- Risk based Safety Culture
- Measuring Safety culture
- System Safety and Role of communication
- Adoption of international standards / Certification
- Good Safety is good business

