

# H S E

HEALTH

SAFETY

ENVIRONMENT



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## Advanced Construction Safety

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**Duration:** 5 Days



### Introduction:

Project management practices and safety techniques used by construction supervisors to manage people, resources and safety at the construction site. Writing, behavior styles, motivation, listening styles,

communication barriers, coaching, time management and meeting skills are stressed. The supervisor's responsibility to recognize and abate hazards and to provide job instructional training to correct all safety hazards. Construction site safety management mainly involves the rational layout of site facilities, optimum usage of space and dynamic Safety procedures management of plants. It directly influences security, machine running, material supply and power distribution, as well as construction progress and cost. This course outlines how the construction sites will be managed and supervised. HSE construction Site Management is defined as the proper management of construction activities to preserve living and non-living

elements of the ecological, environmental, aesthetic, and social landscape.

## Who Should Attend?

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Team Leaders, Managers, Line Managers, Supervisors, Team Leaders, Project Managers, Control Center Operators and Supervisors, Emergency Dispatchers, Security Personnel and CCTV Operators, HSE Officers, HSE Personnel, HSE Professionals, Emergency Response Team Members, HSE Managers and Auditors, Health & Safety and Environmental Professionals, Coordinators, Specialists and other full-time safety practitioners, Fire Officers, Loss Control Managers, Security Directors and Managers, Security Supervisors, Facilities Directors and Managers, HR and Administrative Managers with responsibility for security, Project Managers, Safety Inspectors, Plant Managers and Supervisors, Incident Control Point (Forward Control) Team Members, Supervisors, Advisors, Auditors, Laboratory Personnel, Emergency Personnel, Maintenance Personnel, Procurement and Supply Chain Managers, Engineers

## Course Objectives:

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

- Build on your knowledge of OSHA regulations
- Reduce injuries and health problems among your crew
- Open business doors with an effective safety program
- Gain knowledge of changing regulations, guidance documents, and regulatory interpretations
- Demonstrate competency when dealing with regulatory agencies
- Learn the fundamentals needed to deal with potential hazards specific to construction
- Understand the 1926 Construction code and how it affects you

## **Course Outline:**

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### **Construction Site Safety Management**

- Motivation for safety
- Financial consequences for safety
- Health and safety planning
- Safety performance measures
- Accident prevention, investigation and reporting procedures
- General hazard identification and risk assessment
- Management responsibility
- Worker engagement & communication
- Construction accidents
- Construction site induction
- Safety courses

### **Construction Site Traffic Management Plan**

- Construction traffic management plan objectives
- Construction site access and egress
- Construction traffic routes
- Car parking
- Operation of site entrances
- Communication
- Road networking

### **Construction Site Waste Management**

- Construction waste prevention strategies
- Waste management plan
- Waste streams
- Waste management set-up
- Demolition approach
- Waste auditing

### **Construction Site Setup (Preparation and Organization)**

- Planning for site preparation and organization
- Construction site security
- Site communications
- Material storage and handling
- Road sweeping operations
- Site lay-out
- Site temporary structures
- Cranes set-up
- Site temporary power and lighting
- Fuel storage and refueling areas
- Common problems & preventive measures

### **Construction Project Planning**

- Generating work breakdown structure
- Project time management
- Generating project activities
- Developing project schedule
- Construction phasing

### **Construction Site Environmental Management**

- Environmental management plan objectives
- Environmental monitoring plan
- Roles and responsibilities
- Environmental monitoring checks
- Surface water
- Dust
- Noise

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### **Developing the Supervisory Skills in the Construction Sites**

- Improving worker's productivity
- Factors influencing productivity output

- Factors affecting humans as workers
- Management impact on productivity
- Motivation
- Incentive schemes
- Principles of incentive schemes
- Developing the supervisory skills in the construction sites
- Construction site leadership
- Project management leadership
- Leadership definition
- Management practices
- Leadership competency
- Outstanding leader competencies

### **Handling Construction Site Disputes**

- Construction site disputes
- Sources of construction site disputes
- The role of relationships
- What to do if a problem arises?
- Avoiding construction disputes
- Partnering & team building
- Incentives for cooperation
- Realistic risk allocation
- Constructability analysis
- Job site dispute resolution
- Resolving construction disputes