

## HSE in Construction Sites

01 - 05 July 2019 / Istanbul

### **COURSE DESCRIPTION**

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.”

The construction sites safety have to be observed daily by experienced and qualified construction engineers. The course is primarily aimed at people working in a HSE management role within the construction industry. It is also suitable for anyone aspiring to have such responsibilities. To achieve these qualifications, supervisors or managers have to provide satisfactory evidence of their management skills, as well as their technical knowledge and competence in the workplace and ability in HSE supervising or managing a construction operation.

The main objectives of this course is to enhance the participant’s knowledge, abilities and skills necessary to increase his value to his organization and enhance his career as HSE supervisor in engineering projects.

### **COURSE OBJECTIVE**

**Upon completion of this training course, participants will be able to demonstrate that they\ can:**

- ✓ Implement health and safety in the workplace
- ✓ Organize work operations and activities
- ✓ 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 Programs
  
- ✓ Organize resources for the work
- ✓ Monitor and supervise work operations and activities
- ✓ Maintain team and individual performance
- ✓ Establish working relationships
- ✓ Plan and implement project maintenance
- ✓ Face challenges in moving to supervision
- ✓ Build dependable working relationships
- ✓ Increase Labor Productivity And Morale
- ✓ Communicate And Lead Effectively
- ✓ Organize Work Operations And Activities
- ✓ Organize Resources For The Work
- ✓ Monitor And Supervise Work Operations And Activities
- ✓ Maintain Team And Individual Performance

- ✓ Establish Working Relationships
- ✓ Health And Safety Including Management Of Health.
- ✓ Coverage Of All Regulation Relating To The Construction Industry.
- ✓ Accident Prevention, Investigation And Reporting Procedures.
- ✓ Occupational Health And Hygiene – Personal Protection.
- ✓ General Hazard Identification And Safe Working Methods
- ✓ Identify Hazards And Reduce Risks
- ✓ Overview Of Safety In Construction Projects
- ✓ Design Of Safety Plan And Fire Plan
- ✓ Case Study Of Safety Plan And Fire Plan

### **WHO SHOULD ATTEND?**

**This course is recommended for any one involved with the construction stage of construction, Health and Safety projects including:**

- ✓ HSE Managers and Supervisors
- ✓ Engineering Project Managers
- ✓ Team Leaders
- ✓ Site Officers and Managers
- ✓ Construction Engineers
- ✓ Project Engineers and Operation Engineers
- ✓ Facilities engineers and Maintenance planning engineers

The Course Content

### **DAY ONE**

#### **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

## **DAY TWO**

### **CONSTRUCTION SITE SETUP (PREPARATION AND ORGANISATION)**

- ✓ 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

## **DAY THREE**

### **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

#### **DAY FOUR**

#### **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
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- ✓ Safety Courses

#### **DEVELOPING THE SUPERVISORY SKILLS IN THE CONSTRUCTIONS 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

#### **DAY FIVE**

#### **DEVELOPING THE SUPERVISORY SKILLS IN THE CONSTRUCTIONS 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

### **Training Method**

- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Self-test and group activities
- Each participant receives a binder containing a copy of the presentation slides and handouts

### **Program Support:**

This program is supported by interactive discussions, role play, case studies and to highlight the techniques available to the participants.

**\*\* In the event of uncontrollable circumstances, we may have to change main lecturer(s) for reasons out of control but replacement will always meet global standards of PROJACS International.**

**Course Fee :**

US\$ 4,500