CONSTRUCTION SAFETY MANAGEMENT TRAINING

1-Day Course Outline

Course Duration

1 Day (8 Hours)

Course Introduction

Construction activities involve various high-risk tasks such as working at height, machinery operation, electrical work, excavation, and material handling. Without effective safety management, these activities may lead to serious accidents, injuries, property damage, and legal non-compliance.

This training program is designed to provide participants with fundamental knowledge and practical understanding of construction safety management systems, hazard identification, risk control measures, and safe working practices in accordance with Malaysian occupational safety and health requirements.

Course Objectives

By the end of this training, participants will be able to:

- Understand the principles of construction safety management
- Recognize common hazards at construction sites
- Apply basic hazard identification and risk assessment techniques
- Understand legal requirements related to construction safety
- Practice safe work procedures and proper use of PPE
- Improve safety awareness and accident prevention at the workplace

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Target Participants

This course is suitable for:

- Site Supervisors
- Safety Coordinators
- Engineers
- Contractors and Subcontractors
- Construction Workers
- Project Personnel
- Anyone involved in construction activities

Course Content

Module 1: Introduction to Construction Safety

This module introduces participants to the importance of safety management in the construction industry. Participants will learn about common causes of workplace accidents, the impact of unsafe acts and unsafe conditions, and the importance of developing a positive safety culture at construction sites. Roles and responsibilities of employers, supervisors, and employees will also be discussed.

Module 2: Occupational Safety and Health Legal Requirements

Participants will be exposed to the basic legal requirements related to occupational safety and health in Malaysia. The training will cover important legislation such as the Occupational Safety and Health Act 1994 and relevant construction safety requirements enforced by Department of Occupational Safety and Health (DOSH). The module also explains employer and employee responsibilities in ensuring workplace safety compliance.

Module 3: Hazard Identification, Risk Assessment and Risk Control (HIRARC)

This module explains the process of identifying hazards, assessing risks, and implementing suitable control measures at construction sites. Participants will learn different types of workplace hazards including physical, chemical, ergonomic, and electrical hazards. The hierarchy of control and basic HIRARC techniques will also be introduced through practical examples and simple exercises.

Module 4: Construction Site Hazards and Safe Work Practices

Participants will learn about common construction hazards and appropriate preventive measures. Topics include working at height safety, scaffolding safety, excavation and trenching safety, machinery and equipment safety, electrical hazards, manual handling, and housekeeping practices. Emphasis will be given to practical safety measures that can reduce workplace accidents and injuries.

Module 5: Personal Protective Equipment (PPE) and Permit to Work (PTW)

This module covers the importance of Personal Protective Equipment (PPE) in construction activities. Participants will learn how to select, use, inspect, and maintain PPE properly. The module also introduces the Permit to Work (PTW) system used for controlling high-risk activities such as hot work, confined space work, and working at height.

Module 6: Incident Reporting and Emergency Response

This module explains the importance of incident reporting and basic accident investigation procedures. Participants will also learn emergency response procedures including fire safety awareness, evacuation procedures, and basic emergency communication during workplace incidents.

Training Methodology

The training will be conducted through:

- Lectures and presentations
- Group discussions
- Video learning
- Practical exercises
- Case studies and workplace scenarios

Assessment Method

Participants' understanding will be evaluated through:

- Pre-test and post-test
- Group activities
- Question and answer sessions
- Practical exercises

Expected Benefits

Upon completion of this training, participants will be able to contribute towards a safer construction working environment, improve compliance with safety requirements, reduce workplace accidents, and promote a stronger safety culture within their organization.

Certificate

Participants who complete the training will receive a Certificate of Attendance.