

€ TRAINING

Construction Safety and Health Management





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Introduction:

This training program is a comprehensive initiative designed to equip individuals with the essential knowledge and skills to ensure safety and health in construction sites. By emphasizing proactive safety measures and effective management practices, this program prepares professionals to create and maintain a secure work environment, ultimately minimizing risks and promoting well-being in construction projects.

Program Objectives:

At the end of this program, participants will be able to:

- Identify and assess hazards in the workplace.
- Select and implement appropriate control measures.
- Develop and implement a training and communication plan.
- Investigate incidents.
- Conduct audits and identify areas for improvement.

Targeted Audience:

- Managers, engineers and supervisors in the field of occupational safety and health.
- Safety inspectors and safety officers at various work sites.
- Supervisors who have occupational health and safety responsibilities.
- Managers, engineers and supervisors of construction and development projects.
- Operations and maintenance supervisors, shift heads and work groups.
- Engineers and supervisors in building and construction sites.
- Engineers and technicians all specializations.

Program Outlines:

Unit 1:

Introduction to OSHA and Construction Safety Standards:

- General introduction to OSHA and construction standards.
- Means of escape - electrical hazards.
- The system of isolating power from the equipment and placing signs on it.
- Locations classified as hazardous - and barriers and protection for equipment.
- Safety protocols for working in confined spaces.

Unit 2:

Occupational Health and Fall Prevention:

- Occupational health - diseases related to blood.
- Prevention and protection from the risk of falling - scaffolding and ladders.
- Personal protective equipment.
- Respiratory protection program.
- Safe operation of manual equipment and machinery for excavation work.

Unit 3:

Hazardous Materials and Fire Safety:

- The use of explosive materials in construction operations.
- Firefighting techniques - extinguishers - classification.
- Materials used in extinguishing fires.
- Modern alarm systems for fires.
- Automatic fire extinguishing systems.

Unit 4:

Chemical Safety and Ergonomics:

- Communicating information about hazardous chemicals.
- Ergonomics considerations for welding and cutting works.
- Implementing safety protocols for handling hazardous substances.
- Proper storage and handling of flammable and combustible materials.

- Safety measures when working with heavy machinery such as cranes, excavators, elevators, and conveyor belts.

Unit 5:

Radiation Safety and Equipment Operation:

- Radiation safety measures.
- Safe operation of cranes, excavators, elevators, and conveyor belts.
- Applications, models, and practical cases in construction safety.
- Implementing safety protocols for working with radioactive materials.