

HSE Risks in Construction

Risky Work at Sites, Safety Measures & Regulations

Introduction

The fabrication and construction of offshore oil and gas facilities, including modules and platforms, as well as onshore petrochemical plants, take place in yards or sites that include high-risk operations including working at heights, entering tight spaces, rigging and lifting, and hot work, to mention a few. Furthermore, these and other risks differ in kind, extent, and methods of execution and management in accordance with the particular regulations and procedures of the each building site.

In order to ensure that they can both keep themselves and anyone around them safe, it is crucial that individuals who have been mobilised to and are temporarily employed at these locations have a thorough understanding of the risks involved as well as the necessary protections and controls. This holds true for both seasoned field workers who occasionally relocate to new locations and workers with no prior construction site experience.

The purpose of this Construction HSE Hazards training course is to increase or provide delegates' awareness and knowledge of the types and nature of hazardous operations, as well as the controls and safeguards that need to be in place in big construction sites or yards.

This training session on Course N Carry will address:

- An overview of dangers and hazards at building sites
- Risky work practices (individually) and safety measures
- Command over the work
- Programmes for safety

Objectives

The goal of this training programme is to enable participants to:

- Increase and deepen their comprehension of the risky jobs that are performed on construction sites

- Discover the crucial safety precautions and controls for each unique hazardous occupational activity.
- Discover the fundamentals of work safety control.
- Recognise safety programme examples and initiatives.

After completing this training on Construction HSE Hazards, participants will be able to:

- Understand the fundamental safety precautions and controls that must be used when performing hazardous job.
- Acknowledge dangerous behaviours or situations when working on construction projects and take the initiative to address them.
- Encourage and take part in safety initiatives on building sites.

Training Methodology

With the use of a range of tried-and-true adult learning teaching and facilitation strategies, participants in this Construction HSE Hazards training course will receive in-depth instruction on the topics contained in the training course outline. The training technique consists of two main components: workshops with team exercises to strengthen and solidify delegates' grasp of the topics given, and class lectures with visual aids and an instructor guiding participants in conversations, asking questions, and sharing their experiences.

Organizational impacts

When an organisation sends employees into the yard or site of a contractor, it must make sure that those employees understand safe behaviour and can determine whether a suitable level of safety is maintained around them for their job.

As a result, it's critical that these employees have the information and comprehension necessary for the dangerous tasks to which they are exposed.

Employees of a company will acquire more information to enhance:

- Their comprehension of risky labour practices in building sites
- Understanding which safety precautions and controls are necessary for each unique hazardous job activity
- Respecting the guidelines and standards for the safe management of work
- Recognising dangerous behaviours or situations during construction work and taking proactive measures to address them
- Comprehending, advocating for, and proactively engaging in safety initiatives within construction sites
- Employees who will be deployed to future locations are mindful of safety

The following are some of the critical safety precautions and controls that delegates will be able to learn about or get better at knowing about when it comes to building sites and yards:

- Increased assurance and confidence when engaging in risky work activities
- Recognising dangerous behaviours and situations, then acting or communicating accordingly
- Increased knowledge about how to protect themselves and their coworkers
- Increased capacity to support and take part in safety efforts
- Give their organisation better feedback regarding the safety circumstances at a site or yard.
- Receive acknowledgement from their employer for their increased proficiency in safety for upcoming site deployments.

Who should attend?

This Construction HSE Hazards training course is intended for employees of an organisation who are frequently dispatched to or visit an operator's or contractor's fabrication or construction site or yard. It is also intended for newly hired staff members, non-site-based employees of businesses with their own yards or construction sites, and staff members from suppliers or service companies who are sent to or remain at a customer's yard or site.

Although a wide range of professionals in an organisation can benefit from this Course N Carry training course, the following will find it especially helpful:

- Supervisory or Inspection Staff in Construction
- Quality, Safety, Health, and Environment
- Managers, Supervisors, and Leaders of Operations and Projects
- Inspectors, surveyors, or field engineers
- Personnel in the support department, such as those in engineering, contracts, procurement, controls, health, and safety, Environmental and Quality
- Commissioning Personnel

Course Outline

Day 1

An Overview of Risks and Hazards in Construction

- Awareness of Hazards
- Site Introductions
- Unsafe Behaviour and Unsafe Environments
- Top Ten Dangers

Day 2

Dangerous Workplace Practices and Procedures

- Operational Guidelines for Height and Fall Prevention
- Warm Labour
- Lifting and Rigging
- Power and Hand Tools
- Stress from Heat

Day 3

Continued: Dangerous Work Activities and Controls

- Entry into Confined Spaces
- Transportable Equipment
- Nitrogen
- Tests of Pressure
- Isolation of Energy

Day 4

Authority over Work

- Analysis of Workplace Safety
- A Work Permit
- Cleaning Services
- Inspections
- Quick Reaction

Day 5

Programmes for Safety

- Observations and Recommendations
- Risk Communication
- Talks from the Tool Box
- Walkabouts with Management
- Initiatives and Campaigns