



London TDM

Health, Safety, and Environment (HSE) Training

Course Venue: United Arab Emirates - Dubai

Course Date: From 16 November 2025 To 20 November 2025

Course Place: Downtown Dubai

Course Fees: 5,000 USD

Introduction

The "Accident Investigation and Root Cause Analysis" course provides participants with the knowledge and skills required to effectively investigate workplace accidents and identify root causes to prevent future incidents. The course emphasizes a systematic approach to investigation, including data collection, analysis, and the development of corrective actions.

Objectives

- Understand the importance of effective accident investigation and root cause analysis.
- Learn methodologies for systematic data collection and analysis.
- Identify techniques to determine root causes of accidents.
- Develop skills to recommend and implement preventive actions.
- Enhance reporting capabilities to communicate findings effectively.

Course Outlines

Day 1: Introduction to Accident Investigation

- Overview of accident investigation and its importance.
- Legal and organizational frameworks.
- Key roles and responsibilities of investigators.
- Ethical considerations and confidentiality.
- Case studies of successful accident investigations.

Day 2: Data Collection Techniques

- Understanding different types of evidence.
- Interviewing witnesses effectively.
- Documenting the accident scene.
- Tools and technologies for data collection.
- Handling sensitive information.

Day 3: Analyzing and Interpreting Data

- Data analysis methodologies.
- Identifying patterns and correlations.
- Using fishbone diagrams and other tools.
- Assessment of human factors in accidents.
- Common pitfalls in data analysis.

Day 4: Identifying Root Causes

- Introduction to root cause analysis techniques.
- Difference between root causes and contributing factors.
- Failure Mode and Effects Analysis (FMEA).
- Event and Causal Factor Charting.
- Developing a root cause hypothesis.

Day 5: Reporting and Implementing Solutions

- Structuring an effective investigation report.
- Communicating findings to stakeholders.
- Developing and implementing corrective actions.
- Monitoring the effectiveness of solutions.
- Conducting follow-up investigations and audits.