

HS331K:
HSSE Management Systems

Training Description:

A Health, Safety, Security and Environment (HSSE) management system is a comprehensive framework used by organizations in preventing, mitigating, and eliminating disruptions and losses caused by workplace accidents, risk and hazard exposures, and environmental phenomena. Further, an HSSE management system is key to monitoring an organization's compliance with relevant laws and standards. As a legal requirement for organizations, an HSSE management system ensures that there are documented and implemented policies in place. Its specific benefits revolve around the areas of moral, legal, and financial obligations held by an organization. Employee welfare should be of the utmost importance, having employers provide them with a safe place to work. In the same way, an HSSE management system also puts relevant expectations on employees to take charge of their own safety in the workplace. This entails behaving in a way that doesn't put their own or others' health and safety at risk. Ultimately, following local and international laws for HSE helps prevent personal and company financial losses, reduce the need for medical attention, and mitigate risks related to workplace health and safety. In addition to that, an HSSE management system also plays a key role in promoting environmental sustainability. Companies must also take steps to minimize negative environmental impact and reduce carbon footprint by ensuring compliance with relevant legislation on environmental aspects of business operations. In most cases, utilizing technology to help ensure standard compliance is one of the best practices to consider. Using HSE software is key to streamlining processes, standards, and deploying protocols to workers and safety managers of an organization.

This intensive training course provides participants with a deep understanding of HSSE Management Systems, their implementation, and operational integration in line with international standards (e.g., ISO 45001, ISO 14001, and industry best practices). It covers regulatory compliance, risk management, emergency preparedness, auditing, and continuous improvement to ensure sustainable and safe operations.

Training Objectives:

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

- ✓ Understand the principles and components of HSSE Management Systems
- ✓ Develop and implement effective HSSE policies and procedures
- ✓ Identify hazards and assess associated risks
- ✓ Monitor HSSE performance through audits and inspections
- ✓ Promote a culture of safety and environmental responsibility
- ✓ Align HSSE strategies with business goals and regulatory requirements

Training Designed for:

This training course is intended for HSSE Officers/Managers/Engineers, Operations & Facility Managers, Supervisors and Team Leads, Compliance Officers, Environmental Specialists, Safety Coordinators, Risk & Audit Professionals and Anyone involved in workplace health, safety, and environmental performance.

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

- Introduction to HSSE Management Systems
  - Introduction to HSSE: Concepts and Terminologies
  - Importance of HSSE in Operational Excellence
  - Legal and Regulatory Framework (Local & International)
  - Structure of HSSE Management Systems (PDCA Cycle)
  - Overview of ISO Standards: ISO 45001, ISO 14001, ISO 9001
- Activities:
  - Case studies of HSSE failures and lessons learned
  - Interactive session on identifying key HSSE elements
- **Objective:** To provide a foundational understanding of HSSE systems, regulatory expectations, and the framework for managing risks and responsibilities.

DAY TWO:

- Risk Management and Hazard Identification
  - Risk Management Principles and Methodologies
  - Hazard Identification Techniques (HAZID, HAZOP, JSA, etc.)
  - Risk Assessment Tools (Risk Matrix, Bowtie, etc.)
  - Control Measures and Hierarchy of Controls
  - Behavioral-Based Safety (BBS)
- Activities:
  - Group work: Performing a mock risk assessment
  - Identifying hazards in different operational settings
- **Objective:** To enable participants to systematically identify and assess risks and implement effective controls to prevent incidents.

DAY THREE:

- HSSE Policy Development and Operational Controls
  - Writing and Communicating HSSE Policies
  - Roles, Responsibilities, and Accountability in HSSE
  - Operational Control Procedures (Permit-to-Work, LOTO, etc.)
  - Contractor HSSE Management
  - Emergency Preparedness and Response Planning
- Activities:
  - Developing a site-specific HSSE policy
  - Table-top exercise: Emergency response simulation
- **Objective:** To guide participants in creating and enforcing effective HSSE policies and operational procedures that reduce risks.

DAY FOUR:

- Monitoring, Performance, and Audit
  - HSSE Performance Indicators (Leading & Lagging)

- Incident Reporting and Investigation
- Internal and External Audits (Planning, Conduct, Follow-up)
- Inspections and Compliance Monitoring
- Continuous Improvement and Lessons Learned

❖ Activities:
- Designing a simple HSSE KPI dashboard
- Conducting a mock HSSE audit in teams

❖ Objective: To develop skills for measuring HSSE performance, identifying gaps, and conducting audits for continual improvement.

DAY FIVE:

❖ HSSE Culture, Leadership & Implementation Strategy
- Leadership's Role in HSSE
- Building and Sustaining a Strong Safety Culture
- Change Management in HSSE Programs
- Stakeholder Engagement and Communication
- HSSE Implementation Roadmap and Strategic Planning

❖ Activities:
- Leadership scenarios: Making HSSE decisions
- Creating a high-level HSSE implementation action plan

❖ Objective: To reinforce the importance of leadership and culture in HSSE success and equip participants with tools to implement or enhance HSSE systems in their organizations.

❖ Course Conclusion

❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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