



COURSE OVERVIEW HE1892 Lead HSSE Risk Management

Course Title

Lead HSSE Risk Management

Course Date/Venue

September 08-12, 2024/SAS Meeting Room,
Holiday Inn Muscat al Seeb, an IHG Hotel,
Muscat, Oman

Course Reference

HE1892

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.



This course is designed to provide participants with a detailed and up-to-date overview of Lead HSSE Risk Management. It covers the importance of HSSE in organizational success, the role of leadership in HSSE and the HSSE legal and regulatory framework; the risk management principles and HSSE risk assessment techniques; the effective HSSE risk management planning and the importance of creating a positive HSSE culture; the role of leadership in HSSE, fostering leadership commitment and leading by example; integrating HSSE into business processes; and planning and allocating resources effectively for HSSE initiatives.



Further, the course will also discuss the effective communication strategies and training programs to enhance HSSE awareness; the emergency preparedness and response plans for various HSSE scenarios; the emergency preparedness and response including proper monitoring, reporting and continuous improvement; and the quantitative risk assessments, environmental impact assessment, security risk management and occupational health management.



During this interactive course, participants will learn the advanced incident investigation techniques, risk communication and stakeholder engagement; managing HSSE risks associated with project execution and organizational change; preparing and managing crises, developing business continuity plans, and ensuring organizational resilience; developing and using HSSE performance metrics and KPIs; the technology and innovation in HSSE including global HSSE challenges and opportunities; the strategic HSSE planning, influencing and negotiating, ethics and corporate social responsibility (CSR); and the future trends in HHSE and developing a personal HSSE leadership plan.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on leading HSSE risk management
- Discuss the importance of HSSE in organizational success, the role of leadership in HSSE and the HSSE legal and regulatory framework
- Explain the risk management principles and apply HSSE risk assessment techniques
- Develop an effective HSSE risk management plan and discuss the importance of creating a positive HSSE culture
- Identify the role of leadership in HSSE, foster leadership commitment and lead by example
- Integrate HSSE into business processes as well as plan and allocate resources effectively for HSSE initiatives
- Apply effective communication strategies and training programs to enhance HSSE awareness
- Carryout emergency preparedness and response plans for various HSSE scenarios
- Develop and implement emergency preparedness and response including proper monitoring, reporting and continuous improvement
- Employ quantitative risk assessments, environmental impact assessment, security risk management and occupational health management
- Implement advanced incident investigation techniques, risk communication and stakeholder engagement
- Manage HSSE risks associated with project execution and organizational change
- Prepare and manage crises, develop business continuity plans, and ensure organizational resilience
- Develop and use HSSE performance metrics and KPIs as well as recognize the technology and innovation in HSSE including global HSSE challenges and opportunities
- Apply strategic HSSE planning, influencing, negotiating, ethics and corporate social responsibility (CSR)
- Discuss the future trends in HHSE and develop a personal HSSE leadership plan





Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.

Who Should Attend

This course provides an overview of all significant aspect and considerations of Lead HSSE Risk Management HSSE Managers, operations managers, project managers, environmental managers, occupational health professionals, safety engineers, process safety engineers and compliance officers.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US\$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.


Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.



Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. Raymond Tegman is a **Senior HSE Consultant** with extensive experience within the **Oil & Gas, Petrochemical** and **Refinery** industries. His broad expertise widely covers in the areas of **Rigging Safety Rules, Machinery & Hydraulic Lifting Equipment, Handling Hazardous Chemicals, Spill Containment, Fire Protection, Fire Precautions, Incidents & Accidents Reporting, HSEQ**

Audits & Inspection, HSEQ Procedures, Environmental Awareness, Waste Management Monitoring, Emergency Planning, Emergency Management, Working at Heights, Root Cause Analysis, HSE Rules & Regulations, Process Safety Management (PSM), Process Hazard Analysis (PHA), Techniques, HAZOP, HSE Risk, Pre-Start-up Safety Reviews, HSE Risk Identification, Assessments & Audit, HSE Risk Assessment & Management Concepts, HSE Management Policy & Standards, HSSE Emergency Response & Crisis Management Operations, Confined Space Entry, Quantitative Risk Assessment (QRA), Hazardous Materials & Chemicals Handling, Safety Precaution & Response Action Plan, Hazard & Risk Assessment, Task Risk Assessment (TRA), Incident Command, Accident & Incident Investigation, Emergency Response Procedures, Job Safety Analysis (JSA), Behavioural Based Safety (BBS), Fall Protection, Work Permit & First Aid, Lock-out/Tag-out (LOTO), Emergency Response, Construction Supervision, Scaffolding Inspection, HAZCHEM, Manual Material Handling, Road Traffic Supervision, ISO 9001 and OHSAS 18001.

During his career life, Mr. Tegman has gained his practical and field experience through his various significant positions and dedication as the **Operations Manager, Safety & Maintenance Manager, Safety Manager, Road/Traffic Supervisor, Assessor/Moderator, Safety Consultant, Safety Advisor, Safety Officer and Liaison Officer** from Zero Harm, SHRA Training & Services (Health & Safety), Road Crete, Balwin Property Development, DEME International, Gladstone Australia, Godavari Gas Pipeline and New Castle NCIG.



Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: Sunday, 08th of September 2024

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0900	Introduction to HSSE Risk Management: Overview of Health, Safety, Security, and Environmental Risk Management Concepts, The Importance of HSSE in Organizational Success, and The Role of Leadership in HSSE
0900 - 0930	HSSE Legal & Regulatory Framework: The Global and Local Legal and Regulatory Landscape, Compliance Requirements, and The Consequences of Non-Compliance
0930 – 0945	Break
0945 – 1030	Principles of Risk Management: Risk Management Principles, including Risk Identification, Assessment, Mitigation, and Monitoring
1030 – 1130	HSSE Risk Assessment Techniques: Various Risk Assessment Techniques Used in HSSE, such as HAZOP, FMEA, and Bow-Tie Analysis
1130 – 1245	Break
1245 – 1320	Developing an HSSE Risk Management Plan: Steps for Developing an Effective HSSE Risk Management Plan, including Setting Objectives, Scope, and Methodologies
1320 - 1420	HSSE Culture & Behavioral Safety: The Importance of Creating a Positive HSSE Culture and the Impact of Behavior on Safety Outcomes
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2: Monday, 09th of September 2024

0730 – 0830	HSSE Leadership & Commitment: The Role of Leadership in HSSE, Fostering Leadership Commitment, and Leading by Example
0830 - 0930	Integrating HSSE into Business Processes: Strategies for Integrating HSSE Risk Management into Core Business Processes and Decision-Making
0930 – 0945	Break
0945 – 1100	Resource Allocation for HSSE Initiatives: Planning and Allocating Resources Effectively for HSSE Initiatives, including Budgeting, Staffing, and Technology Investments
1100 – 1230	Communication & Training: Effective Communication Strategies & Training Programs to Enhance HSSE Awareness & Competence Across the Organization
1230 – 1245	Break
1245 – 1320	Emergency Preparedness & Response: Developing & Implementing Emergency Preparedness & Response Plans for Various HSSE Scenarios
1320 - 1420	Monitoring, Reporting & Continuous Improvement: Setting Up Systems for Monitoring HSSE Performance, Reporting Incidents and Near-Misses, and Leveraging Insights for Continuous Improvement
1420 – 1430	Recap
1430	Lunch & End of Day Two





Day 3: Tuesday, 10th of September 2024

0730 – 0830	Quantitative Risk Assessment (QRA): Techniques for Conducting Quantitative Risk Assessments, including Probabilistic Risk Assessment and Modeling
0830 - 0930	Environmental Impact Assessment: Methods for Assessing and Mitigating the Environmental Impact of Organizational Activities, Focusing on Sustainability and Conservation
0930 – 0945	Break
0945 – 1100	Security Risk Management: Strategies for Managing Security Risks, including Physical Security, Information Security, and Personnel Security
1100 – 1230	Occupational Health Management: Addressing Occupational Health Risks, including Workplace Ergonomics, Exposure to Hazardous Substances, and Stress Management
1230 – 1245	Break
1245 – 1320	Advanced Incident Investigation Techniques: In-Depth Look at Incident Investigation Techniques, Root Cause Analysis, and Learning from Incidents
1320 - 1420	Risk Communication & Stakeholder Engagement: Strategies for Communicating Risk and Engaging with Internal and External Stakeholders, including the Public, Regulators, and Emergency Services
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4: Wednesday, 11th of September 2024

0730 – 0830	HSSE in Project & Change Management: Managing HSSE Risks Associated with Project Execution and Organizational Change
0830 - 0930	Crisis Management & Business Continuity: Preparing for and Managing Crises, Developing Business Continuity Plans, and Ensuring Organizational Resilience
0930 – 0945	Break
0945 – 1100	HSSE Performance Metrics & KPIs: Developing and Using HSSE Performance Metrics and KPIs to Measure Success and Drive Improvements
1100 – 1230	Technology & Innovation in HSSE: Leveraging Technology and Innovation to Enhance HSSE Outcomes
1230 – 1245	Break
1245 - 1320	Global HSSE Challenges & Opportunities: Navigating Global HSSE Challenges, including Cultural Differences, Global Operations, and International Regulations
1320 – 1420	Case Studies: Analysis of Real-World HSSE Challenges and Solutions, Focusing on Lessons Learned and Best Practices
1420 – 1430	Recap
1430	Lunch & End of Day Four

Day 5: Thursday, 12th of September 2024

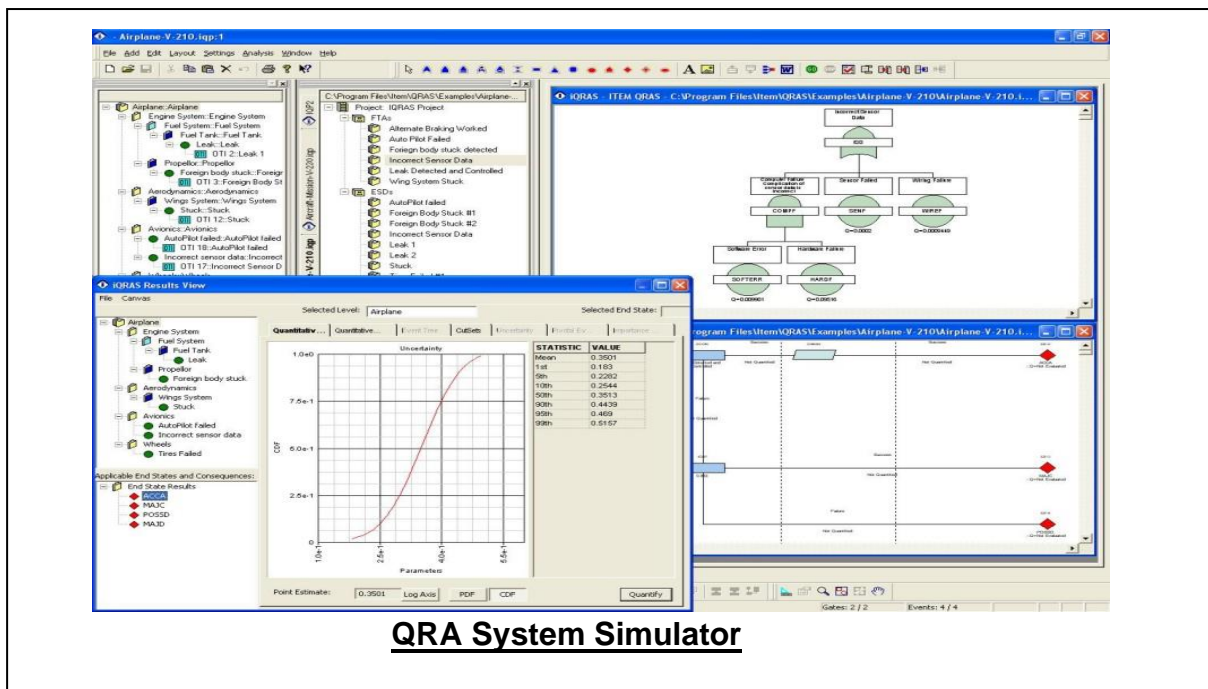
0730 – 0830	Strategic HSSE Planning: Developing and Executing Strategic HSSE Plans Aligned with Organizational Goals and Objectives
0830 – 0930	Influencing & Negotiating for HSSE: Skills for Influencing Organizational Stakeholders and Negotiating for HSSE Resources and Priorities
0930 – 0945	Break



0945 – 1130	Ethics & Corporate Social Responsibility (CSR): The Ethical Considerations in HSSE and Integrating CSR into HSSE Practices
1130 - 1200	Future Trends in HSSE: Exploring Emerging Trends, Challenges, and Opportunities in HSSE, including Climate Change, Digital Transformation, and Global Health Concerns
1200 - 1215	Break
1215 – 1345	Developing a Personal HSSE Leadership Plan: Guided Activity for Participants to Develop their Personal Action Plan for Enhancing HSSE Leadership & Management in their Organizations
1345 - 1400	Course Conclusion
1400 – 1415	POST TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using our state-of-the-art “QRA”, “CAMEO”, “Visio”, “Mindview” and “Workplace Risk Assessment” simulators.



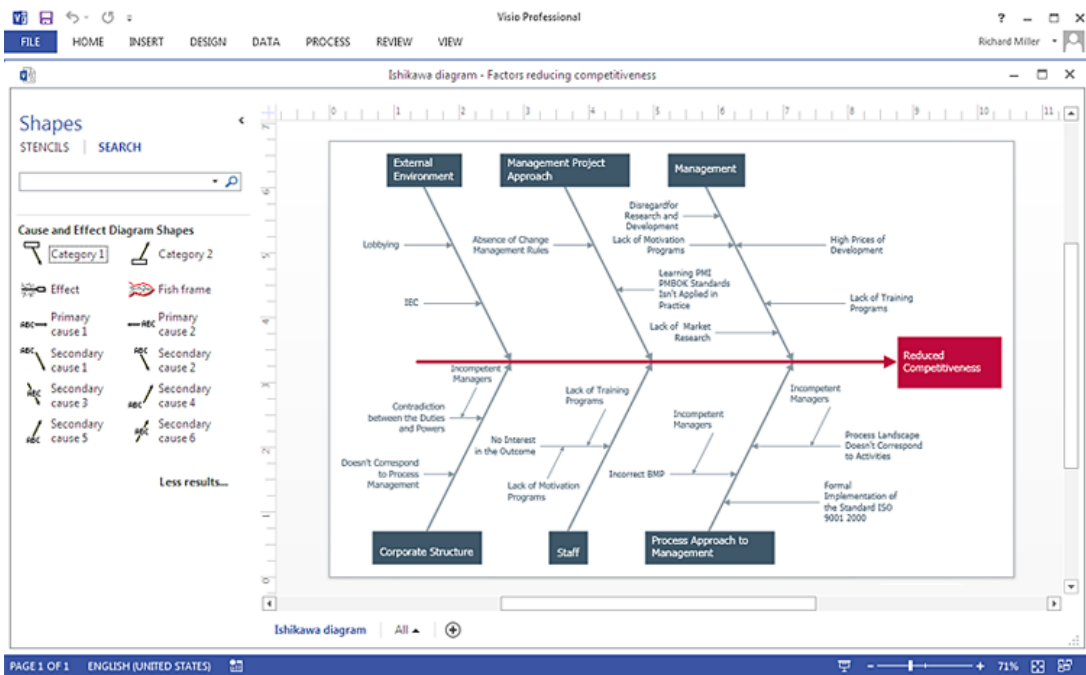
The screenshot displays the QRA System Simulator interface. It includes a fault tree diagram on the right, a graph showing the Cumulative Probability of Failure (CCP) on the left, and a statistics table in the center. The statistics table is as follows:

STATISTIC	VALUE
Mean	0.3501
Std	0.1833
5th	0.2262
10th	0.2644
50th	0.3513
90th	0.4439
95th	0.4693
99th	0.5157

QRA System Simulator



CAMEO Chemicals Suite Simulator



Visio Software



The screenshot displays the Mindview Software interface. At the top, a 'Map View' window shows a mind map with a central node 'Problem Solving' and several branches: 'Recognise symptoms', 'Set up team', 'Identify main problems', 'Select problem', 'Measurement', 'Monitoring', 'Analysis', and 'Plan'. A red dashed arrow points from the mind map to a 'Word' document window below it. The word document contains a structured 'PROBLEM SOLVING' template with sections for 'Recognise symptoms', 'Set up team', 'Identify main problems', 'Select problem', 'Measurement', 'Monitoring', 'Analysis', and 'Plan', each with sub-points and checkboxes.

Mindview Software

The screenshot shows the 'Workplace Risk Assessment Input Form' software. The interface includes a menu bar with options like 'New', 'Save', 'Delete', 'Search', 'Select', 'Topic Help', 'Forum', 'Duplicate', and 'Images'. Below the menu, there are fields for 'Generate No', 'Ref No: WWP-130929144934', and 'Location / Site / Section: Ramsgate'. The main area is divided into sections, with 'Section 5' selected. It contains a table for 'Lighting' with columns for 'Y/N/NA' and 'Details / Comments'. The table lists five questions (5.1 to 5.5) related to workplace lighting. On the right side, there is a 'Jump to Selected Tab' list with various categories like 'Header', 'Admin Arrangements / Main Systems', 'Lighting', 'Cleanliness and Waste', etc.

Workplace Risk Assessment

Course Coordinator

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