COURSE OVERVIEW HE0675
Emergency Response and Training

Course Title
Emergency Response and Training

Course Date/Venue
August 11-15, 2025/Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference
HE0675

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 one of our state-of-the-art simulators.

The escape of toxic methyl isocyanate vapour from the Union Carbide plant at Bhopal, India on December 1984 was the most serious process plant incident in history, causing thousands of deaths and many tens of thousands of severe injuries, many of them causing permanent incapacity. This and the explosion at the Phillips Petroleum polyethylene plant at Pasadena on 23 October 1989, which killed 23 people and injured hundreds more, alerted petroleum companies around the world to adopt an **emergency response, crisis management and risk assessment**.

The American Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) created regulations designed to require employers to prevent and plan for similar emergencies. In this course, you will learn how you can use these planning requirements to protect people, property and the environment from the type of disaster that occurred in Bhopal, as well as other emergencies that might impact your workplace.

A crisis can be environmental, natural, industrial or business and can be caused by millions of reasons. Crisis management consists of the different means of dealing with these different forms of crises. Crisis Management involves identifying the crisis, planning a response to the crisis and confronting and resolving the crisis. The way of dealing with a crisis depends on its nature, scale and seriousness.

This course is designed to provide a comprehensive overview of the emergency and loss control response measures and procedures. It covers emergency preparedness, planning and response; how to handle an emergency and mitigate consequences; emergency scenarios & how to use available resources; crisis management; crisis communication and responses; know what is risk assessment and its role in HSE; risk assessment steps; and risk management.

Course Objectives

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

- Apply proper methodology and gain necessary skills on emergency and loss control response measures and procedures
- Improve emergency preparedness, planning and response
- Handle emergency scenarios competently and mitigate the consequences as well as use available resources
- Acquire knowledge, reflexes and behavior specific to crisis management in order to remain operational at any time a crisis occurs
- Develop both the capacity for action and strategic analytical skills for crisis management
- Effectively manage the flow of information during the phases of a crisis and decide wisely
- Ensure that decisions and actions in a crisis will be fully defensible
- Recognize complex crisis management issues that must be considered, including international travel, regulations and standards in crisis management, and quantifying risk
- Recognize risk assessment and its role in HSE
- Employ risk assessment steps and apply proper methodology to identify hazards and control
- Manage risk properly in new and existing plants and implement a systematic approach to risk reduction

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 aspects and considerations of emergency and loss control response measures and procedures for emergency response teams, technical staff, HSE officers & safety inspectors as well as shift in-charge supervisors.

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

Haward's Certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

- 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.

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. John Burnip, EHS, SAC, STS, NEBOSH-ENV, NEBOSH-IGC, NEBOSH-IFC, NEBOSH-PSM, NEBOSH-IOG, TechIOSH, is a **NEBOSH Approved Instructor** and a **Senior HSE Consultant** with over **30 years** of practical **Offshore & Onshore** experience within **Oil**, **Gas**, **Refinery**, **Petrochemical** and **Nuclear** industries. His wide experience covers **NEBOSH** International General Certificate in Occupational Health & **Safety**, **NEBOSH** National Certificate in Construction Health & Safety, **NEBOSH** Certificate in Process Safety Management, **NEBOSH** Environmental Management Certificate, **NEBOSH** Certificate in Fire Safety, **NEBOSH** International Oil & Gas Certificate, **PHA**, **HAZOP**, **HAZCOM**, **HAZMAT**, **HAZID**, **Hazard & Risk Assessment**, **Emergency Response Procedures** Behavioural Based Safety (**BBS**), **Confined Space Entry**, **Fall Protection**, **Emergency Response**, H_2S, Safety Management System (**ISO 45001**), **Accident/Incident Investigation** System and Report PSM, **Risk Assessment**, **SCE FMEA Failure Investigations**, Site Management Safety Training (**SMSTS**), **Occupational Health & Safety and Industrial Hygiene, Crisis Management & Damage Control** in Oil & Gas Industry, **Enhancing HSSE Safety Performance & Effectiveness**, **Overhead & Gantry Crane Safety**, **HSSE Principles & Practices Advanced**, **Lifting & Rigging Equipment** Lifting Tackles Inspection License/Relicense, **API 780 Security Risk Assessment Methodology** for Petroleum & Petrochemical, **Advanced Process Safety Management** with PHA, **Quantitative and Qualitative Risk Assessment**, IADC/API **Mobile Drilling Rig Inspections**, **Maintenance and Audits**, **H2s Training and Rescue with Respiratory Equipment**, Job Safety Analysis (**JSA**), **Work Permit & First Aid**, Project HSE Management System, Health & Hygiene Inspection, PTW Control, Process Modules Fire & Gas Commissioning, MSDS, Ergonomics, Lockout/Tagout, Fire Safety & Protection, Spill Prevention & Control, **Tower & Scaffold Inspection**, **Scaffolding** Operations, **Scaffolding** Equipment, Bracket Scaffolds, **Scaffolding** Labelling, **Pre-fab Scaffolding**; Erecting, Maintaining & Dismantling **Scaffolding** in accordance with the **British Standards Code of Practice 5973**; **Heavy Lifting** operations, Cantilevered Hoists, **Offshore** Operations, **Offshore** Construction, Basic **Offshore Safety** Induction & Emergency Training (BOSIET), **Onshore** Fabrication & **Offshore** Pipelaying & Hook-Up, **Crane** Inspection, **Crane** Operations, Oilfield Startup & Operation, Steel Fabrication, OSHA, **ISO 9001**, **ISO 14001**, **OHSAS 18001** and **IMO** (**SOLAS**) Regulations. Mr. Burnip has greatly contributed in upholding the highest possible levels of safety for numerous International Oil & Gas projects, Generation Systems & Platform Revamp, LPG & Gas Compression, Marine, Offshore and Power Plant Construction. Currently, he is the **HSE Advisor** of Solvay wherein he is responsible in planning and implementation of the corporate safety program (OSHA codes).

During Mr. Burnip's long career life, he had successfully carried out numerous projects in **Europe**, **North America**, **South America**, **Southeast Asia**, **Middle East** and the **North Sea**. He had worked for Delta Offshore Group, Solvay Asia Pacific, Likpin Dubai, SADRA/DOT, **ZADCO**, **McDermott** International (USA, Qatar, Egypt, India, Oman, Dubai and Abu Dhabi), **PDO**, **Shell**, **ARAMCO**, Salman Field, Leman Offshore Gas Field, GEC, Harland & Wolff PLC Belfast in North Ireland, Howard Doris – Kishorn in Scotland, **Westinghouse** Electric in Brazil and South Korea and **Chevron** Oil in Scotland as the **Commissioning Project Engineer**, **Project & Safety Engineer**, **Estimating Engineer**, **Senior Instrument Engineer**, **Instrument Field Engineer**, **Lead Instrument Engineer**, **Instrument Engineer**, **Engineer**, **Emergency Response Training Manager**, **HSE Advisor**, **HSE Instructor**, **HSE Supervisor**, **Instrumentation Supervisor**, **Instrumentation Specialist**, **Project Coordinator**, **Instrumentation Technician** and **Tank Farm Instrumentation Technician**.

Mr. Burnip has a **Bachelor's** degree in **Business Studies** from the **Somerset University** (**UK**). He is a **Certified/Registered Tutor** in **NEBOSH Certificate in Environmental Management**, **NEBOSH International General Certificate**, **NEBOSH International Certificate in Fire Safety & Risk Management**, **NEBOSH Process Safety Management Certificate** and **NEBOSH International Oil & Gas Certificate**; a **Certified Safety Auditor** (SAC); a **Certified ISO 45001** Auditor; an **Environmental Health and Safety Management Specialist** on Fall Protection, Elevated Structures, Material Handling, Trenching & Excavations; a Welding Brazing Safety Technician; a **Certified Safety Administrator** (**CSA**) - General Industry; a **Safety Manager/Trainer** – General Industry; a **Petroleum Safety Manager** (**PSM**) - Drilling & Servicing; a **Petroleum Safety Specialist** (**PSS**) - Drilling & Servicing; a **Safety Planning Specialist**; a **Safety Training Specialist**; a **Certified Instructor/Trainer**; a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) and further holds a Certificate in **Mechanical Engineering Craft Practice** from the **City & Guilds of London Institute**; a **NEBOSH Level 3** Construction Certificate (UK); and holds a **Cambridge Teaching Certificate**. He is a well-regarded member of the **National Association of Safety Professionals**, the **Association of Cost Engineers** (**UK**), **Institution of Occupational Safety & Health** (**TechIOSH**) and an **Associate Member** of **World Safety Organization**. Further, he has conducted innumerable trainings, workshops and conferences worldwide.

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.

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.

Accommodation

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

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: ***Monday, 11th of August 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Emergency Preparedness, Planning & Response*** *Regulatory Requirements ● On-Site Emergency Planning*
0930 – 0945	*Break*
0945 – 1130	***Emergency Preparedness, Planning & Response (cont'd)*** *External Authorities & Services ● Work Emergency Plan ● Communications & Control System*
1130 – 1230	***Emergency Preparedness, Planning & Response (cont'd)*** *Essential Functions & Nominated Personnel ● Co-Operative Planning, Training & Exercises*
1230 – 1245	*Break*
1245 – 1420	***Emergency Preparedness, Planning & Response (cont'd)*** *Off-Site Emergency Planning ● Transport Emergency Planning*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Tuesday, 12th of August 2025***

0730 – 0930	***How to Handle an Emergency & Mitigate Consequences*** *Emergency Incidents ● Declaration & Communication of the Emergency*
0930 – 0945	*Break*
0945 – 1100	***How to Handle an Emergency & Mitigate Consequences (cont'd)*** *Works Emergency Procedures ● Public Relations*

1100 – 1230	***How to Handle an Emergency & Mitigate Consequences (cont'd)*** *Practical Implementation ● Provision of Information*
1230 – 1245	*Break*
1245 – 1420	***How to Handle an Emergency & Mitigate Consequences (cont'd)*** *Safety Case Guidance ● Evacuation & Shelter*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: ***Wednesday, 13th of August 2025***

0730 – 0930	***Emergency Scenarios & How to Use Available Resources*** *Emergency Scenarios ● Real-Time Aids ● Computer Aids ● Transport Emergency Arrangements ● Company Resources*
0930 – 0945	*Break*
0945 – 1100	***Emergency Scenarios & How to Use Available Resources (cont'd)*** *Governmental Resources ● Facility & Location Information ● Notification ● Response Management System ● Disaster Recovery & Business Resumption*
1100 – 1230	***Crisis Management*** *The Main Challenges Facing Managers at a Time of Crisis ● Guidelines for Managing Crisis Stress ● Reasons for Determining the Real Crisis ● Reasons for Focusing During a Crisis*
1230 – 1245	*Break*
1245 – 1420	***Crisis Management (cont'd)*** *The Purposes of a Five-Minute Audit ● The Immediate Concerns of an Organization When a Crisis Occurs ● The Tasks You Should Perform When a Crisis Arises ● Guidelines for Ensuring Recovery From a Crisis*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4: ***Thursday, 14th of August 2025***

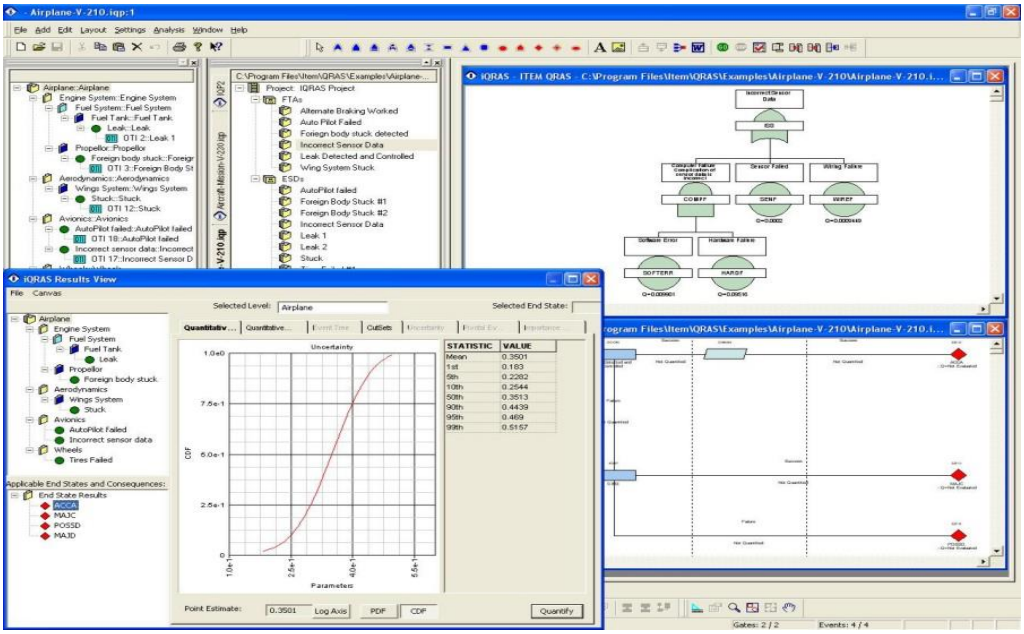
0730 – 0930	***Crisis Communication & Responses*** *Guidelines For Communicating Information ● Guidelines For Practicing Open Communication ● Factors That Can Reduce the Quality of Decision Making at a Time of Crisis ● Guidelines For Effective Decision Making*
0930 – 0945	*Break*
0945 – 1100	***Crisis Communication & Responses (cont'd)*** *Characteristics of an Effective Leader ● Legal Challenges That Can Arise During a Crisis Situation ● Guidelines For Dealing with Legalities*
1100 – 1230	***Know What is Risk Assessment & its Role in HSE*** *Risk Concepts, How to Estimate Risk & Evaluate its Acceptability ● The Risk Management Process*
1230 – 1245	*Break*
1245 – 1420	***Know What is Risk Assessment & its Role in HSE (cont'd)*** *Techniques for Risk Analysis ● Risk Reduction Measures ● Risk Mitigation & Control*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5: **Friday, 15th of August 2025**

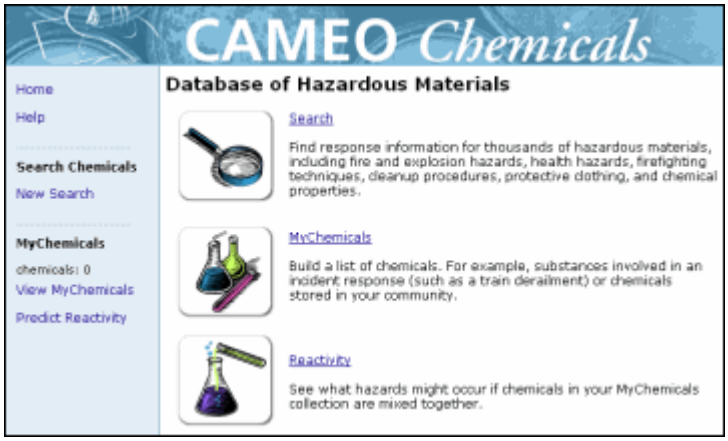
0730 – 0830	***Risk Assessment Steps*** *Hazard Identification ● Ranking & Short-Listing of Risks ● The Pareto Principle ● Two Classes of Risk for Attention ● Estimation of the Magnitude of the Consequences or the Frequency of Operational Losses*
0830 – 0930	***Risk Assessment Steps (cont'd)*** *The Problem with "Acceptable Risk" ● Some Everyday Risks ● Risk to Employees ● Economic Factors in Risk Criteria ● Regulatory Approaches to Setting Risk Criteria ● Calculating & Displaying the Risks of Potential Losses*
0930 – 0945	*Break*
0945 – 1230	***Risk Management*** *A Systematic Approach to Risk Reduction ● Management of Risk of New Plants ● Precommissioning Safety Inspection ● Post-Startup HAZOP Studies*
1230 – 1245	*Break*
1245 – 1345	***Risk Management (cont'd)*** *Management of Risk of Existing Plants & Operations ● Auditing & Inspection ● Learning from Accidents and "Near Misses" ● Role of the Risk Manager*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulator (Hands-on Practical Sessions)

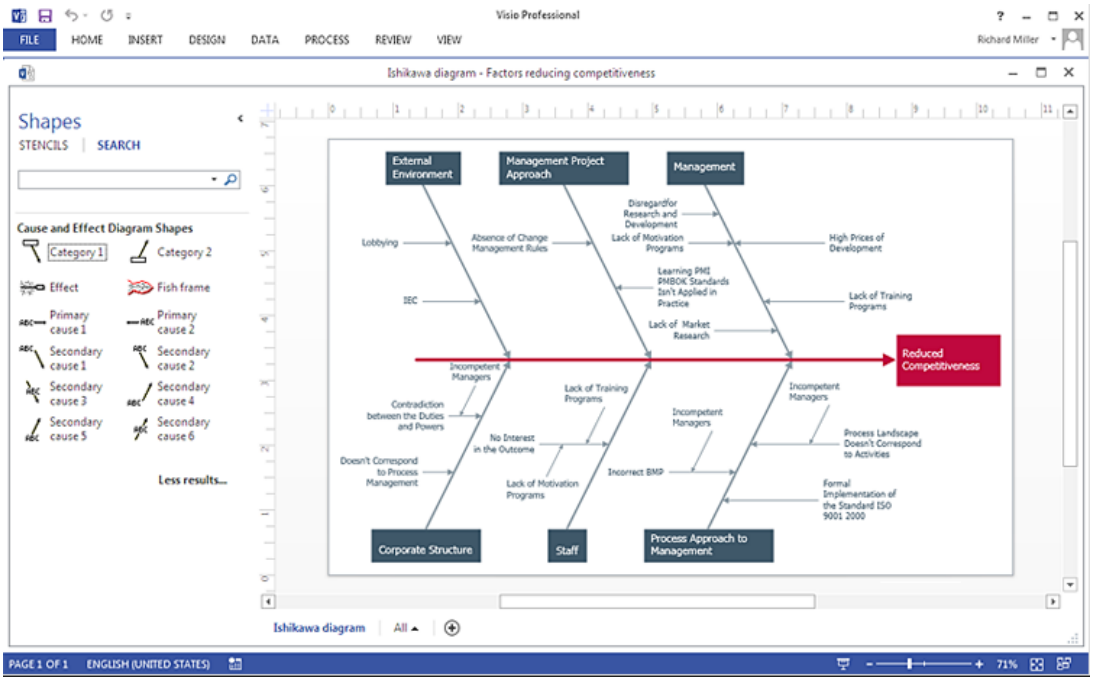
Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using our state-of-the-art "QRA", "CAMEO", "Visio Software", '' Mindview Software'' and "Workplace Risk Assessment" simulators.



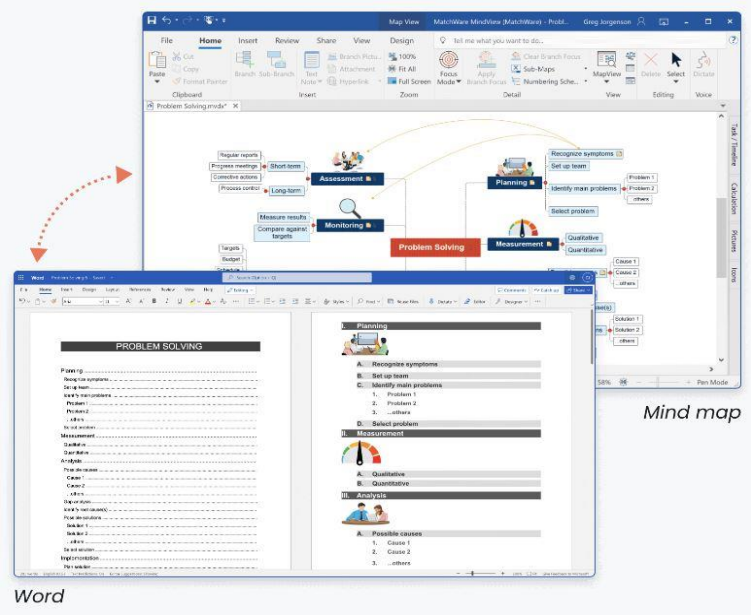
QRA System Simulator



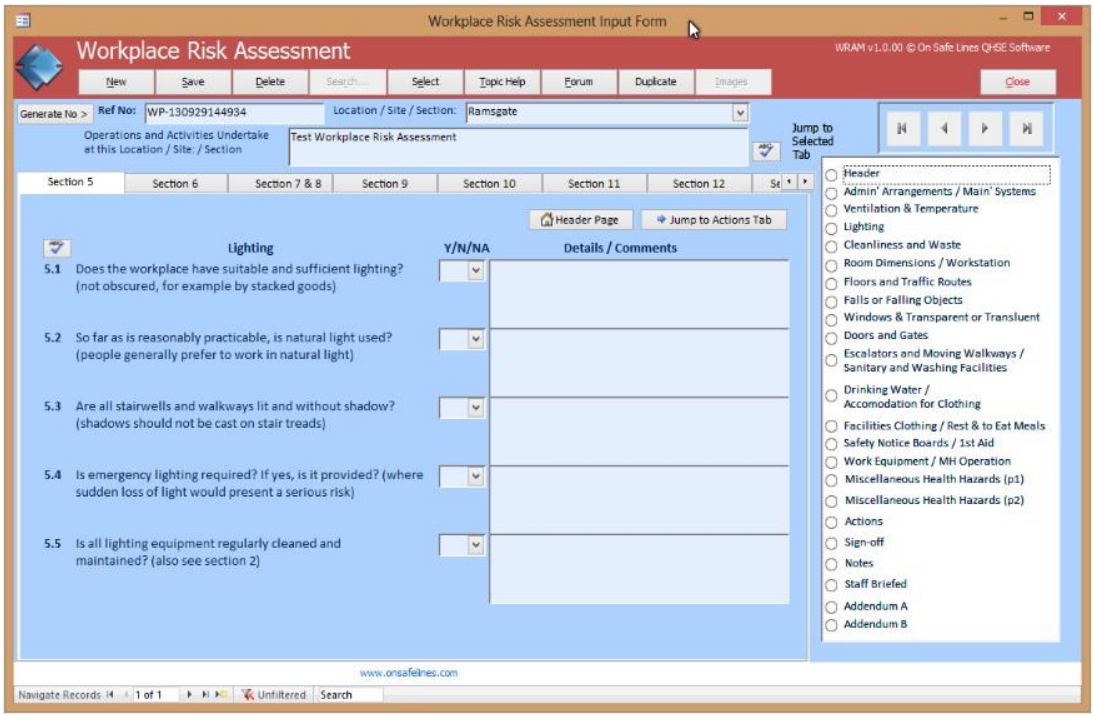
CAMEO Chemicals Suite Simulator



Visio Software



Mindview Software



Workplace Risk Assessment

Course Coordinator

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