COURSE OVERVIEW HE1038
Security Tools and Systems

Course Title
Security Tools and Systems

Course Date/Venue
Session 1: January 26-30, 2025/Olivine Meeting Room, Fairmont Nile City, Cairo, Egypt
Session 2: November 16-20, 2025/Slaysel 02 Meeting Room, Movenpick Hotel & Resort Al Bida'a Kuwait, City of Kuwait

Course Reference
HE1038

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes real-life case studies where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of HSSE management system. It covers the basic concepts of HSSE practices, standards and regulations; the HSSE management system; the HSSE tools and systems used within the organization; using and operating the functionalities of HSSE tools and systems available; the safety responsibilities; identifying and correcting hazards; the legal compliance related to HSSE practices; the risk based approach; and the commitment to developing people.

During this interactive course, participants will learn the process safety and integrity management; the enforcement and reinforcement of procedures; ensuring safety accountability; creating a culture of consequences; and the B.O.S.S (Benchmarking Organizational Safety Strategy).

Course Objectives

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

- Apply and gain an in-depth knowledge on HSSE management tools and systems

- Describe the basic concepts of the HSSE practices, standards and regulations

- Gain understanding of the HSSE management system

- Identify HSSE tools and systems used within the organization

- Use and operate the functionalities of HSSE tools and systems available

- Discuss safety responsibilities as well as identify and correct hazards

- Apply legal compliance related to HSSE practices and carryout risk based approach

- Commit to develop people and recognize process safety and integrity management

- Employ enforcement and reinforcement of procedures and ensure safety accountability

- Create a culture of consequences and define B.O.S.S (Benchmarking Organizational Safety Strategy)

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 a basic overview of all significant aspects and considerations of HSSE management tools and systems for managers, leaders, heads, foremen, supervisors and superintendents.

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

Cairo	**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.
Kuwait	**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: -

- **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.

- **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.

Accommodation

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

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. Ashraf Mohamed is a **Senior HSE Consultant & Radiation Protection Expert** with **35 years** of practical and industrial experience within the **Oil & Gas**, **Refinery** and **Petrochemical** industry. He is a **NEBOSH Approved Instructor** for various certification programs. His expertise lies extensively in the areas of **Radiation** Safety & Protection, **Radioactive Waste** Management, **Radiation Protection** Instrumentation, **Nuclear & Radiological** Safety, **Radiation Protection** Design, **Radioactive Sources** Protection, **Radioisotopes & Protection** Application, **Ionizing Radiation**, NEBOSH Fire Safety & Risk Management International Certificate, **NEBOSH** International General Certificate, **NEBOSH** Health & Safety Leadership Excellence, **Firefighting** Techniques, **Fire & Gas** Detection System, **Fire Fighter & Fire** Rescue, **Fire Risk** Assessment, **HSE** Policy & Strategy, **HSEMS** Development & Implementation, **Risk** Assessment & Management, **HSE Performance** Measurement & Monitoring Systems, **HSE & Fire** Inspection, **HAZOP & HAZID**, **HAZMAT & HAZCOM**, As Low as Reasonably Practicable (**ALARP**), Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Accident/Incident** Investigation, **Risk** Management, **Hazard & Effect** Management Process, **ALARP** System, **Isotopes** Application & Protection, Safety Induction, **PTW**, **Gas Testing**, **Lock Out/Tag Out**, **Confined Space**, **H₂S**, **Working at Heights**, **Lifting** Operations, **Scaffolding**, **Rigging & Slinging**, **Incidents** Investigations, **First Aid & CPR**, **Crane** Inspection, **Risk** Evaluation, **Emergency Response** Plan, **Defensive Driving**, Safety Supervision, **Environment Management** System, **Environmental Impact & Life Cycle Assessment**, **Pesticide** Assessment & Environemntal Control, **Behavioural Based Safety**, **Work Management** System and various international codes and standards such as the ISO 9001, OHSAS 18001 and ISO 14001. He is currently the **Acting Senior HSE Engineer** wherein he develops and manages the implementation of fire, safety and environment programs for all the employees and contractors.

During his career life, Mr. Ashraf has gained his practical and field experience through his various significant positions as the **Safety & Fire Manager**, **HSE Manager**, **Safety & Fire Instructor**, **Senior HSE & Fire Instructor**, **Safety Training Instructor**, **Safety Construction Manager** and **Safety Section Head** from various companies such as the ADNOC, Eprome, Foster Wheeler-MIDOR Refinery, Amyria Petroleum Refining Company and Egyptian Refinery Company.

Mr. Ashraf has a **Bachelor's** degree in **Geology**. Further, he is a **Certified Instructor/Trainer** and a member of Society of Petroleum Engineers and Egyptian Society for Safety. He is an **Approved Lead Tutor** in **NEBOSH Certificate in Fire Safety**, an **Approved Tutor** in **NEBOSH International General Certificate**, **NEBOSH Health & Safety Leadership Excellence**. He has further held various Radiation Certifications like the **Radiation Protection & Peaceful Uses** of **Radioactive Sources** and the **Applications** of **Radioisotopes & Protection** from **Ionizing Radiations** from the Egyptian Atomic Energy Authority and has delivered numerous courses, trainings, seminars, workshops and conferences globally.

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

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	**PRE-TEST**
0830 - 0930	**Basic Concepts of the HSSE Practices, Standards & Regulations**
0930 – 0945	Break
0945 – 1100	**Basic Concepts of the HSSE Practices, Standards & Regulations (cont'd)**
1100 - 1230	**HSSE Management System**
1230 - 1430	Break
1430 - 1420	**HSSE Management System (cont'd)**
1420 - 1430	**Recap**
1430	Lunch & End of Day One

Day 2

0730 – 0930	**Overview of Safety Responsibilities**
0930 – 0945	Break
0945 – 1100	**Identifying & Correcting Hazards**
1100 – 1230	**Identifying & Correcting Hazards (cont'd)**
1230 – 1245	Break
1245 – 1420	**Legal Compliance Related to HSSE Practices**
1420 – 1430	**Recap**
1430	Lunch & End of Day Two

Day 3

0730 – 0930	**Risk Based Approach**
0930 – 0945	Break
0945 – 1100	**Commitment to Developing People**
1100 – 1230	**Commitment to Developing People (cont'd)**
1230 – 1245	Break
1245 – 1420	**Process Safety & Integrity Management**
1420 – 1430	**Recap**
1430	Lunch & End of Day Three

Day 4

0730 – 0930	**Enforcement & Reinforcement of Procedures**
0930 – 0945	Break
0945 – 1100	**Ensuring Safety Accountability**
1100 – 1230	**Ensuring Safety Accountability (cont'd)**
1230 – 1245	Break
1245 – 1420	**Creating a Culture of Consequences**
1420 – 1430	**Recap**
1430	Lunch & End of Day Three

Day 5

0730 – 0930	*B.O.S.S. (Benchmarking Organizational Safety Strategy)*
0930 – 0945	*Break*
0945 – 1100	*HSSE Tools & Systems Used within the Organization*
1100 – 1230	*HSSE Tools & Systems Used within the Organization (cont'd)*
1230 – 1245	*Break*
1245 - 1345	*Use & Operate the Functionalities of HSSE Tools & Systems Available*
1345 - 1400	*Course Conclusion*
1400 – 1415	*POST-TEST*
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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