COURSE OVERVIEW HE1926
HSSE Systems Fundamentals for Safety (Company Specific)

Course Title
HSSE Systems Fundamentals for Safety (Company Specific)

Course Date/Venue
Session 1: September 08-12, 2024/The Kooh Al Noor Meeting Room, The H Hotel, Sheikh Zayed Road, Dubai, UAE
Session 2: November 10-14, 2024/Kizkulesi, Crown Plaza Istanbul Asia Hotels & Convention Center, Istanbul, Turkey

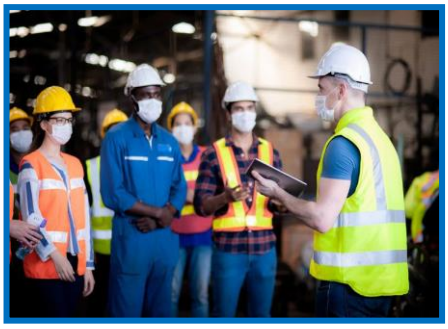
Course Reference
HE1926

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 Systems Fundamentals for Safety. It covers the key components and principles of HSSE management systems; the local and international regulations and compliance strategies; the effective HSSE policies, systematic procedures and best practices; the hazard identification and risk assessment methodologies; the positive safety culture and behavioral safety programs; the workplace hazard identification, risk assessment techniques and effective control measures; and the emergency preparedness and response, incident reporting procedures and root cause analysis techniques.



During this interactive course, participants will learn the components of health and safety management systems (HSMS); the health hazards, safety performance indicators and behavior-based safety (BBS); the contractor safety performance and security management systems; the security risk assessments, physical security measures and cyber threats protection; the environmental impact assessment, mitigation and management strategies; the waste reduction and disposal and pollution prevention measures; the sustainability and corporate social responsibility; the continuous improvement in HSSE, internal audits and inspections and training and competency development; and the management reviews, effective HSSE reports and communicating performance to stakeholders.

Course Objectives

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

- Apply and gain an in-depth knowledge on HSSE systems fundamentals for safety
- Discuss key components and principles of HSSE management systems including the local and international regulations and compliance strategies
- Develop effective HSSE policies and implementing systematic procedures and best practices
- Carryout hazard identification and risk assessment methodologies as well as promote a positive safety culture and behavioral safety programs
- Apply workplace hazard identification, risk assessment techniques and effective control measures
- Employ emergency preparedness and response, incident reporting procedures and root cause analysis techniques
- Identify the components of health and safety management systems (HSMS)
- Monitor and control health hazards and apply safety performance indicators and behavior-based safety (BBS)
- Ensure contractor compliance and manage contractor safety performance
- Recognize security management systems and apply security risk assessments, physical security measures and cyber threats protection
- Conduct environmental impact assessment as well as implement mitigation and management strategies, waste reduction and disposal and pollution prevention measures
- Discuss sustainability and corporate social responsibility and apply continuous improvement in HSSE, internal audits and inspections and training and competency development
- Conduct management reviews, use feedback for improvement, create effective HSSE reports and communicate performance to stakeholders

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, sample video clips of the instructor's actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of HSSE systems fundamentals for safety for safety engineers, supervisors, safety officers, HSE, operations, production, maintenance personnel and other staff

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. 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.

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

Dubai	**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.
Istanbul	**US$ 6,000** per Delegate + **VAT**. This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop 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	***Fundamentals of HSSE Management Systems*** *Key Components & Principles • Role of Leadership & Management Commitment*
0930 – 0945	*Break*
0945 – 1100	***Regulatory & Legal Requirements*** *Understanding Local & International Regulations • Compliance Strategies*
1100 – 1230	***HSSE Policies & Procedures*** *Developing Effective HSSE Policies • Implementing Procedures & Best Practices*
1215 – 1230	*Break*
1230 – 1330	***Risk Management & Assessment*** *Hazard Identification • Risk Assessment Methodologies*
1330 – 1420	***Safety Culture & Behavior*** *Promoting a Positive Safety Culture • Behavioral Safety Programs*
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 One*

Day 2

0730 – 0830	***Workplace Hazard Identification*** *Common Workplace Hazards • Tools & Techniques for Identification*
0830 – 0930	***Risk Assessment Techniques*** *Qualitative & Quantitative Assessment Methods • Risk Matrix & Risk Ranking*
0930 – 0945	*Break*
0945 – 1100	***Control Measures & Hierarchy of Controls*** *Engineering Controls, Administrative Controls, PPE • Implementing Control Measures Effectively*
1100 – 1215	***Emergency Preparedness & Response*** *Developing Emergency Plans • Roles & Responsibilities During Emergencies*
1215 – 1230	*Break*

1230 – 1330	***Incident Reporting & Investigation*** *Incident Reporting Procedures • Root Cause Analysis Techniques*
1330 – 1420	***Case Studies & Practical Exercises*** *Real-World Examples of Hazard Identification & Risk Control • Group Exercises & Discussions*
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 Two*

Day 3

0730 – 0830	***Health & Safety Management Systems (HSMS)*** *Components of HSMS • Implementation & Maintenance*
0830 – 0930	***Occupational Health Programs*** *Monitoring & Controlling Health Hazards • Workplace Health Promotion*
0930 – 0945	*Break*
0945 – 1100	***Safety Performance Indicators*** *Leading & Lagging Indicators • Measuring & Improving Safety Performance*
1100 – 1215	***Behavior-Based Safety (BBS)*** *Principles of BBS • Implementing BBS Programs*
1215 – 1230	*Break*
1230 – 1330	***Contractor Safety Management*** *Ensuring Contractor Compliance • Managing Contractor Safety Performance*
1330 – 1420	***Workshop: Developing Safety Plans*** *Creating Effective Safety Plans • Group Activities & Presentations*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the T were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

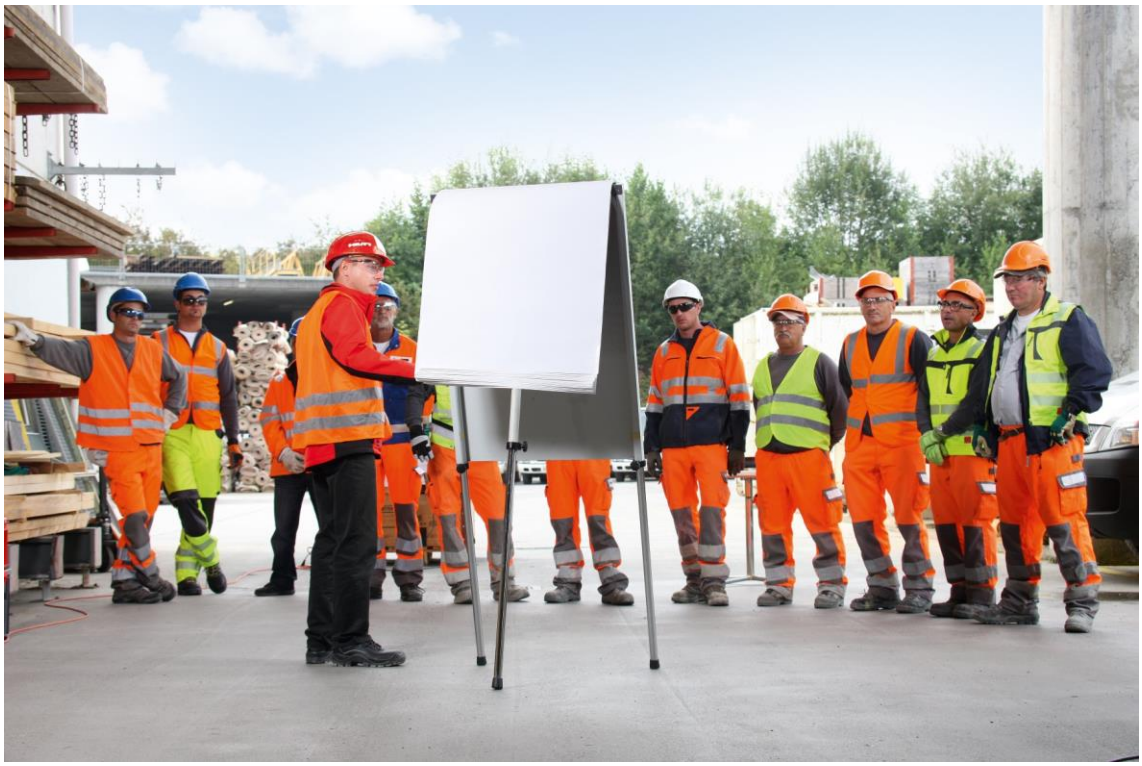
0730 – 0830	***Security Management Systems*** *Components & Best Practices • Security Risk Assessments*
0830 – 0930	***Physical & Cybersecurity*** *Physical Security Measures • Protecting Against Cyber Threats*
0930 – 0945	*Break*
0945 – 1100	***Environmental Management Systems (EMS)*** *Key Elements of EMS • ISO 14001 Standards & Implementation*
1100 – 1215	***Environmental Impact Assessment*** *Conducting EIAs • Mitigation & Management Strategies*
1215 – 1230	*Break*
1230 – 1330	***Waste Management & Pollution Control*** *Strategies for Waste Reduction & Disposal • Pollution Prevention Measures*
1330 – 1420	***Sustainability & Corporate Social Responsibility*** *Integrating Sustainability into Business Practices • CSR Initiatives & Benefits*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the T were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Continuous Improvement in HSSE*** *Strategies for Ongoing Improvement • PDCA (Plan-Do-Check-Act) Cycle*
0830 – 0930	***Internal Audits & Inspections*** *Conducting Effective Audits • Preparing for External Audits*
0930 – 0945	*Break*
0945 – 1100	***Training & Competency Development*** *Importance of Ongoing Training • Developing Competency Frameworks*
1100 – 1230	***Management Review & Feedback*** *Conducting Management Reviews • Using Feedback for Improvement*
1230 – 1245	*Break*
1245 – 1345	***HSSE Performance Reporting*** *Creating Effective HSSE Reports • Communicating Performance to Stakeholders*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about t Topics that were Covered During the Course*
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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