COURSE OVERVIEW HE0097

Certified Process Safety Management (PSM)

Auditing & Implementation

Course Title

Certified Process Safety Management (PSM): *Auditing & Implementation*

Course Date/Venue

February 01-05, 2026/The Beluga Meeting Room, The H Dubai Hotel, Sheikh Zayed Rd - Trade Centre, Dubai, UAE

Course Reference

HE0097

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Introduction

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

Unexpected releases of toxic, reactive, or flammable liquids and gases in processes involving highly hazardous chemicals have been reported for many years in various industries that use chemicals with such properties. Regardless of the industry that uses these highly hazardous chemicals, there is a potential for an accidental release any time they are not properly controlled, creating the possibility of disaster.

To help ensure safe and healthful workplaces, OSHA has issued the Process Safety Management of Highly Hazardous Chemical standards (29 CFR 1910.119), which contains requirements for the management of hazards associated with processes using highly hazardous chemicals.

Process safety management (PSM) is addressed in specific standards for the general and construction industries. OSHA's standard emphasizes the management of hazards associated with highly hazardous chemicals and establishes a comprehensive management program that integrates technologies, procedures and management practices.

This is a foundation course for Process Safety Management as applicable to process industry. The course provides an in-depth study of each PSM element of HSEMS PSM program and how the overall architecture applies to each. The course introduces each PSM element and the specific guidelines for integrating PSM element requirements into their corporate program (such as quality and reliability programs) and evaluating program compliance throughout the implementation phase. This course also covers how to expand PSM program to include RBPS (Risk Based Process Safety) elements as proposed by the CCPS (center for Chemical Process Safety), Aiche, PSM program.

PSM System auditing is an independent appraisal function undertaken by an organization to examine and evaluate its activities. The objective of PSM auditing is to provide information to those in management in support of decision making and to assist members of the organization in the effective discharge of their responsibilities. To this end, PSM auditing may furnish the organization with analyses, appraisals, recommendations, counsel, or information concerning the activities reviewed the adequacy and effectiveness of the organization's system of PSM control, and the quality of performance. The information furnished to different members of the organization may vary in format and detail, depending upon the requirements and requests of those commissioning the audit(s).

Throughout the world PSM auditing is performed in diverse environments and within organizations which vary in purpose, size, and structure. In addition, the laws and customs within various countries differ from one another. These differences may affect the practice of PSM auditing in each environment. The implementation of these Standards, therefore, will be governed by the environment in which the auditing function carries out its assigned responsibilities. Conformance with the concepts enunciated by the Standards is essential before the responsibilities of PSM auditors can be met.

Course Objectives

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

- Get certified as a *"Certified PSM Auditor"*
- Apply and gain an in-depth knowledge on process safety management (PSM) auditing and implementation
- Recognize OSHA Process Safety Management (PSM) Standard 29 CFR 1910.119
- Interpret the performance-based requirements of the US OSHA PSM and EPA risk management standards mentioned above and discuss about related industry standards
- Discuss the elements of process safety that are missing from typical PSM systems including human factors elements (communication, human system interface, work environment, staffing and fitness for duty), facility siting element, project risk management, senior leadership and accountability
- Review the Risk-Based Process Safety (RSPS) guide (2007) from CCPS/AIChE in order to recognize how to close critical gaps
- Implement multiple options and an effective need-specific program
- Identify the jargon for communicating PSM requirements to others throughout the organization
- Employ process risk management methodology which includes hazard identification, risk assessment of operations, risk reduction activities and residual risk management

- Use a system approach on the incident investigation procedures including reporting mechanism, dissemination of findings, incident analysis and recommendation implementation
- Identify the auditor's ethics and standards of conduct and recognize their importance in safety auditing, hazard identification and site inspection
- Design a professional audit program taking into consideration the protocols, checklists and guidelines needed for planning and implementation
- Conduct audit engagement by performing the pre-audit activities, on-site-activities and post-audit activities
- Implement the audit control systems including the process of preparing, coordinating, directing and obtaining feedback as well as the audit of regulatory aspects and requirements as well as recognize the audit of process operations, environmental impacts and the related control technology
- Adapt the auditor personal qualities and communication including the attitude, adaptability, determination and leadership

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 process safety management auditing and implementation for environmental, health, safety and quality management system specialists who need to gain the knowledge and skills necessary to plan, conduct, report, and lead audits of PSM, environmental, health and safety management systems. Further, the course is intended for site inspectors and safety 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.

Course Certificate(s)

(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a *"Certified PSM Auditor*". Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants: -

(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-21

HTME No. 3558-6717-5364-9627

Participant Name: Abdulsatar Al Otaibi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE0097	Certified Process Safety Management (PSM): *Auditing & Implementation*	10 Nov-14 Nov, 2021	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date 3.0

TRUE COPY

Maricel De Guzman
Academic Director

Haward Technology is accredited by

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | Fax: +971 2 3091 716 | E-mail: info@haward.org | Website: www.haward.org

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.

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 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. Ron Jansen is a **Senior HSE Consultant** with **over 20 years** of experience within the **Oil & Gas** industry. His broad expertise widely covers in the areas of **Firefighting & Fire Safety**, **Fire Detection & Suppression** Systems, **Fire Risk** Assessments, **General Health and Safety**, **Job Observation**, **Fire Rescue**, **Fire Protection**, **Fire Prevention**, **Rescue** Operations, **Firefighting** Techniques, Controlled-Substance Units (**SATCU**) Operations, Workplace **Substance Abuse** Prevention Strategies, **Substance Abuse** Policy Development for Employers, **Substance Abuse** Testing Unit Management, Controlled **Substance** Identification and Recognition, **HAZMAT**, **HAZCOM**, Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Process Risk** Analysis, **Occupational Health**, Effective Tool Box Talks, **Disaster** Management, **Accident/Incident Investigation**, **HAZOP & HAZID**, Permit to Work (**PTW**) System, **Working at Height**, Behavioral Based Safety (**BBS**), Hazard identification and Risk Assessments (**HIRA**), **HSE Risk** Assessment & Management Concepts, **HSE Management** Policy & Standards, **HSSE Emergency Response & Crisis Management** Operations, **Authorized Gas Testing**, **Quantitative & Qualitative** Analysis, **Fall Protection & Rescue**, **Defensive Driving**, **Hazardous Materials & Chemicals** Handling, **Pollution Control**, **Environmental & Pollution** Management, **HSE Industrial Practices**, **Emergency Response & Crisis** Management Operations, **Waste** Management, Job Safety Analysis (**JSA**), **Confined Space Entry**, **Confined Space Entry**, **First Aid & SCBA** Management, **Manual Handling**, **Permit-to-Work & Risk** Assessment, **Crane & Lifting** Operation, **Forklift** Maintenance, Mobile Elevated Work Platform (**MEWP**), **Mobile & Gantry Crane**, **Banksman/Slinger**, **Scaffolding**, **Rigging** & **Slinging**, **Overhead** & **Gantry Crane Safety**, **Lifting & Rigging**, **Machinery & Hydraulic Lifting** Equipment, **Rigging & Slinging** Operation, **Scaffolding** Inspection, **ISO 9001**, **OSHAS 18001**, **19011**, **Rigging Safety Rules**, **Machinery & Hydraulic Lifting Equipment** and **Excavation & Trenching**.

During his career life, Mr. Jansen has gained his practical and field experience through his various significant positions and dedication as the **SHEQ Manager**, **SHEQ System Auditor**, **Safety Practitioner**, **Safety Officer** and **Senior Instructor/Consultant** from various international companies such as the WI Corporation, ISO Internal Auditors SHEQ Management Systems, Truibuilt Engineering, TCS Hydraulic Engineering, OR Thambo Airport, Eskom Transmission Section and Aquarius Mine Kroondal Rustenburg.

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, 01st of February 2026***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction*** *OSHA PSM Standard 29 CFR 1910.119*
0930 – 0945	*Break*
0945 – 1115	***Performance-Based Requirements of the US OSHA PSM & EPA Risk Management Standards***
1115 – 1215	***The Elements of Process Safety that are Missing from Typical PSM System*** *Human Factor Element (Communication, Human System Interface, Work Environment, Staffing and Fitness for Duty) ● Facility Siting Element ● Project Risk Management ● Senior Leadership & Accountability*
1215 – 1230	*Break*
1230 – 1420	***The Risk-Based Process Safety (RBPS) Guide (2007) from CCPS/ AIChE to Understand How to Close Critical Gaps***
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: ***Monday, 02nd of February 2026***

0730 – 0930	***Multiple Options for Implementing an Effective Need-Specific Program***
0930 – 0945	*Break*
0945 – 1030	***Jargon for Communicating PSM Requirements to others throughout the Organization*** *Develop Written Programs to Meet PSM Requirements ● Incorporate and Integrate the PSM Element Requirements into other Corporate Programs and other Corporate Management Systems ● Key Performance Indicators*
1030 – 1115	***Jargon for Communicating PSM Requirements to others throughout the Organization (cont'd)*** *How to Evaluate Program Compliance throughout the Implementation ● How to Begin Implementation at the Company ● Additional Training Necessary for Implementation of Specific Elements*
1115 - 1215	***Process Risk Management*** *Hazard Identification ● Risk Assessment of Operations ● Risk Reduction Activities Residual ● Risk Management ● Customer/Supplier Facilities and Practices ● New Businesses*
1215 – 1230	*Break*

1230 – 1420	***Incident Investigation*** *Incident Investigation System ● Reporting Mechanism● Investigation ● Investigation Reporting*
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: ***Tuesday, 03rd of February 2026***

0730 – 0900	***Incident Investigation (cont'd)*** *Dissemination of Findings ● Recommendation Implementation/Closure ● Incident Analysis*
0900 – 0915	*Break*
0915 – 1100	***Auditor's Ethics & Standards of Conduct*** *Conflict of Interest ● Independence ● Proficiency ● Material Facts and Disclosure ● Due Professional Care ● Confidentiality*
1100 – 1215	***Audit Program Design & Management*** *Audit Program Objectives and Scope ● Audit Program Organization ● Protocols, Checklists and Guides ● Frequency of Audits and Selection of Sites*
1215 – 1230	*Break*
1230 – 1420	***Audit Program Design and Management (cont'd)*** *Quality Assurance Provisions ● Auditor Staffing and Training ● Document Management*
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: ***Wednesday, 04th of February 2026***

0730 – 0900	***Conducting Audit Engagements: (1) Pre-Audit Activities*** *Establishment of Audit Scope and Objectives and their Communication to Interested Persons ● Assembly and Review of Available Information Pertinent to the Audit ● Preparation of the Audit Plan Directed at Efficient and Effective Use of Resources to Achieve Audit Objectives*
0900 – 0915	*Break*
0915 – 1100	***Conducting Audit Engagements: (1) Pre-Audit Activities (cont'd)*** *Contact with the Auditee to Exchange Information and Begin to Lay the Groundwork for a Cordial and Productive Working Relationship ● Team Selection and Coordination to Assure that all Members are Capable and Prepared to Carry out their Assigned Role ● Determination of Final Report Scope, Format and Distribution*
1100 – 1215	***Conducting Audit Engagements: (2) On-Site Activities*** *Opening Meeting ● Collecting Audit Evidence ● Development and Review of Findings ● Closing Meeting*
1215 – 1230	*Break*

1230 – 1420	***Conducting Audit Engagements: (3) Post-Audit Activities*** *Reporting ● Documentation ● Corrective Action*
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: ***Thursday, 05th of February 2026***

0730 – 0930	***Audit of Internal Control Systems*** *Preparing ● Coordinating ● Directing ● Obtaining Feedback ● Continuous Improvement*
0930 – 0945	*Break*
0945 – 1100	***Audit of Regulatory Aspects*** *Process of Development of Environmental Health and Safety Regulations ● Governmental, Mother Company and Local Bodies in Environmental Health and Safety Regulations ● Regulatory Requirements ● Enforcement Policy and Procedures*
1100 – 1215	***Audit of Process Operations, Environmental Impacts and Related Control Technology*** *Typical Environmental Health or Safety Impacts ● Monitoring of Environmental Health and Safety Impacts ● Control Techniques and Devices ● Operation and Maintenance of Control Devices and Techniques*
1215 – 1230	*Break*
1230 – 1300	***Auditor Personal Qualities & Communication*** *Attitude ● Teamwork ● Adaptability ● Determination ● Communications ● Leadership*
1300 – 1315	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1315 – 1415	***COMPETENCY EXAM***
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

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org