COURSE OVERVIEW HE1116
Certified Environmental Manager (CEM)

Course Title
Certified Environmental Manager (CEM)

Course Date/Venue
April 20-24, 2025/Slaysel 02 Meeting Room, Movenpick Hotel & Resort Al Bida'a Kuwait, City of Kuwait

Course Reference
HE1116

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

Course Description

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.

This course is designed to provide participants with a detailed and up-to-date overview of Certified Environmental Manager (CEM). It covers the concepts, importance and benefits of environmental management systems (EMS); the key environmental laws and regulations at the national and international levels; the three pillars of sustainability covering economic, environmental and social; the basic concepts, benefits and strategies for pollution prevention; identifying and evaluating environmental aspects and impacts; the importance and methods of engaging stakeholders in environmental management; the air quality management, water quality management, waste management and hazardous material management.

During this interactive course, participants will learn the environmental auditing, emerging preparedness and response, risk assessment; and the environmental impact assessment (EIA); the impacts of climate change and strategies for carbon management; the energy efficiency and renewable energy sources; the importance of biodiversity, threats and conservation strategies; integrating environmental management into CSR initiatives; the sustainable development goals (SDGS), green building, sustainable design and renewable energy technologies; the principles, benefits and examples of circular economy models; the life cycle assessment (LCA) and strategies for reducing environmental impacts of transportation; the environmental management and change management; the effective communication and advocacy; and the proper planning, executing and monitoring environmental projects.

Course Objectives

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

- Get certified as a *"Certified Environmental Manager (CEM)"*
- Discuss the concepts, importance and benefits of environmental management systems (EMS)
- Review the key environmental laws and regulations at the national and international levels
- Recognize the three pillars of sustainability comprising of economic, environmental and social
- Discuss the basic concepts, benefits and strategies for pollution prevention as well as identify and evaluate environmental aspects and impacts
- Explain the importance and methods of engaging stakeholders in environmental management
- Apply air quality management, water quality management, waste management and hazardous material management
- Carryout environmental auditing, emerging preparedness and response, risk assessment and environmental impact assessment (EIA)
- Discuss the impacts of climate change and strategies for carbon management
- Improve energy efficiency and use renewable energy sources efficiently
- Recognize the importance of biodiversity, threats and conservation strategies as well as integrate environmental management into CSR initiatives
- Recognize sustainable development goals (SDGS), green building and sustainable design and renewable energy technologies
- Discuss the principles, benefits, and examples of circular economy models as well as illustrate life cycle assessment (LCA)
- Apply strategies for reducing environmental impacts of transportation, leadership in environmental management and change management
- Implement effective communication and advocacy as well as plan, execute and monitor environmental projects

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 course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides a basic overview of all significant aspects and considerations of certified environmental management for individuals directly involved in the planning, implementing, maintaining or auditing of an ISO 14001 environmental management system (EMS) who need to stay at the forefront of EMS strategy and gain the practical knowledge needed to build your auditing skills.

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 Environmental Manager*". 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-23

HTME No. 74851

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1116	Certified Environmental Manager (CEM)	November 10-14, 2023	30	3.0

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

TRUE COPY

Jaryl Castillo
Academic Director

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

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

Certificate Accreditations

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**. 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 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 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. Francis Almeida, PgDip, BSc, NEBOSH-ENV, NEBOSH-IGC, NEBOSH-IFC, NEBOSH-IOGC, NEBOSH-PSM, is a **Senior Health, Safety & Environmental** (**HSE**) **Consultant** with over **30 years** of practical experience within the **Oil** and **Gas** industry. He is a **NEBOSH Approved Instructor** for various certification programs. His expertise lies extensively in the areas of **Accident/Incident Investigation & Risk Management**, **NEBOSH** Environmental Management, **NEBOSH** International General Certificate, **NEBOSH** Fire Safety & Risk Management International Certificate, **NEBOSH** International Oil & Gas Certificate, **NEBOSH** Process Safety Management, **HAZOP & HAZID**, **HAZMAT & HAZCOM** Storage & Disposal, As Low as Reasonably Practicable (**ALARP**), Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Hazardous Materials & Chemicals** Handling, **Pollution Control**, **Environment, Health & Safety** Management, **Process Risk** Analysis, Effective Tool Box Talks, Construction Sites Safety, **HSSE Management** System, **HSSE Audit & Inspection**, **HSEQ Procedures**, **Authorized Gas** Testing, **Confined Space Entry & Rescue**, **Risk** Management, **Quantitative & Qualitative Risk** Assessment, **Working at Height**, **Firefighting** Techniques, **Fire** & **Gas** Detection System, **Fire Fighter & Fire** Rescue, **Fire Risk** Assessment, **HSE Industrial Practices**, **Manual Handling**, **Rigging Safety Rules**, **Machinery & Hydraulic Lifting Equipment**, **Warehouse Incidents & Accidents Reporting**, **Incident & Accident Investigation**, **Emergency Planning**, **Emergency Response & Crisis** Management Operations, **Waste Management** Monitoring, **Root Cause Analysis**, Hazard & Risk Assessment, Task Risk Assessment (**TRA**), **Incident Command**, Job Safety Analysis (**JSA**), Behavioral Based Safety (**BBS**), **Fall Protection**, **Work Permit & First Aid** and various international codes and standards such as the ISO 9001, OHSAS 18001, ISO 14001, SA8000, ISO 9001-2000 and ISO 9002. He was the **Offshore Safety Specialist** of **Chevron** wherein he was in-charged in HSE inspections, hazard analysis, incident investigation and implementing corrective actions.

During his career life, Mr. Almeida has gained his practical and field experience through his various significant positions and dedication as the **Quality Manager**, **HSE Specialist/Acting On-Scene Commander**, **Quality Auditor**, **Quality Supervisor**, **QHSE Engineer**, **Metallurgical Engineer**, **HSE Coordinator**, **Suppliers Auditor**, **Senior Instructor/Consultant**, **Oil & Gas Construction Specialist**, **Business Administration Specialist** and **Oil & Gas Management Technology Specialist** for various international companies and institutions such as the IBEC, Lopes & Almeida, IMA, EXPRO Group, UNESA, Vetco Aibel, ABB Oil & Gas, Brazilian Aluminum Foundry, DNV and ABIFA.

Mr. Almeida has a **Bachelor** degree in **Metallurgical Engineering** and a **Post Graduate Diplomas** in **Safety Engineering** and **Industrial Administration**. Further, he is a **Certified Instructor/Trainer**, an **Approved Lead Tutor** in **NEBOSH Environmental Management Certificate**, **NEBOSH International General Certificate**, **NEBOSH International Oil & Gas Certificate** and **NEBOSH Process Safety Management Certificate** and an **Approved Practical Assessor/Lead Tutor** in **NEBOSH Fire Safety & Risk Management**. Moreover, he is a **Certified ISO 9001:2000 Lead Auditor**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership and Management** (**ILM**) and has further delivered numerous trainings, courses, seminars, conferences and workshops globally.

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 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, 20th of April 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0900	***Overview of Environmental Management Systems (EMS):*** *Concepts, Importance & Benefits of EMS*
0900 - 0930	***Environmental Policies & Legislation:*** *Introduction to Key Environmental Laws & Regulations at the National & International Levels*
0930 – 0945	*Break*
0945 – 1030	***Sustainability Principles:*** *Understanding the Three Pillars of Sustainability - Economic, Environmental & Social*
1030 – 1130	***Pollution Prevention:*** *Basic Concepts, Benefits & Strategies for Pollution Prevention*
1130 – 1245	*Break*
1245 – 1320	***Environmental Aspects & Impacts:*** *Identifying & Evaluating Environmental Aspects & Impacts*
1320 - 1420	***Stakeholder Engagement:*** *Importance & Methods of Engaging Stakeholders in Environmental Management*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Monday, 21st of April 2025***

0730 – 0830	***Air Quality Management:*** *Regulations, Air Pollution Control Technologies & Management Practices*
0830 - 0930	***Water Quality Management:*** *Understanding Water Pollution, Wastewater Treatment Processes & Compliance Standards*
0930 – 0945	*Break*
0945 – 1100	***Waste Management:*** *Types of Waste, Waste Hierarchy & Sustainable Waste Management Practices*
1100 – 1230	***Hazardous Materials Management:*** *Handling, Storage & Disposal of Hazardous Materials*
1230 – 1245	*Break*

1245 – 1320	***Environmental Auditing:*** *Types, Methodologies, & Benefits of Environmental Audits*
1320 - 1420	***Emergency Preparedness & Response:*** *Planning for & Responding to Environmental Emergencies*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: ***Tuesday, 22nd of April 2025***

0730 – 0830	***Risk Assessment Fundamentals:*** *Identifying, Analyzing & Evaluating Environmental Risks*
0830 - 0930	***Environmental Impact Assessment (EIA):*** *Steps, Methods & Importance of EIA*
0930 – 0945	*Break*
0945 – 1100	***Climate Change & Carbon Management:*** *Understanding the Impacts of Climate Change and Strategies for Carbon Management*
1100 – 1230	***Energy Management & Efficiency:*** *Techniques for Improving Energy Efficiency and the Use of Renewable Energy Sources*
1230 – 1245	*Break*
1245 – 1320	***Biodiversity & Ecosystem Services:*** *Importance of Biodiversity, Threats, & Conservation Strategies*
1320 - 1420	***Corporate Social Responsibility (CSR):*** *Integrating Environmental Management into CSR Initiatives*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4: ***Wednesday, 23rd of April 2025***

0730 – 0830	***Sustainable Development Goals (SDGs):*** *Role of Environmental Management in Achieving the SDGS*
0830 - 0930	***Green Building & Sustainable Design:*** *Principles of Green Building and Sustainable Urban Development*
0930 – 0945	*Break*
0945 – 1100	***Renewable Energy Technologies:*** *Overview of Solar, Wind, Hydro, and Bioenergy Technologies*
1100 – 1230	***Circular Economy:*** *Principles, Benefits, and Examples of Circular Economy Models*
1230 – 1245	*Break*
1245 - 1320	***Life Cycle Assessment (LCA):*** *Methodology, Applications, and Benefits of LCA in Product and Process Design*
1320 – 1420	***Sustainable Transportation:*** *Strategies for Reducing Environmental Impacts of Transportation*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5: ***Thursday, 24th of April 2025***

0730 – 0830	***Leadership in Environmental Management:*** *Skills & Qualities of Effective Environmental Leaders*
0830 – 0930	***Change Management:*** *Strategies for Leading Organizational Change Towards Environmental Sustainability*
0930 – 0945	*Break*
0945 – 1130	***Environmental Communication:*** *Techniques for Effective Communication & Advocacy*

1130 - 1200	***Project Management for Environmental Initiatives:*** *Planning, Executing & Monitoring Environmental Projects*
1200 - 1215	*Break*
1215 – 1230	***Case Studies & Best Practices:*** *Review of Successful Environmental Management Practices Across Various Sectors*
1230 - 1300	***Future Trends in Environmental Management:*** *Emerging Technologies & Trends in Environmental Sustainability*
1300 - 1315	***Course Conclusion***
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