Haward Technology Middle East

Course Title
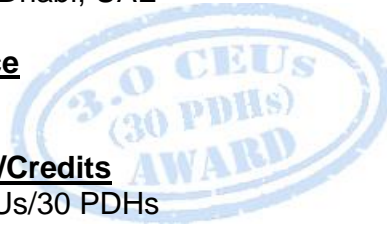Certified Environment Manager (CEM)

Course Date/Venue
June 24-28, 2024/Boardroom 3, Southern Sun Abu Dhabi Hotel, Abu Dhabi, UAE

Course Reference
HE1116
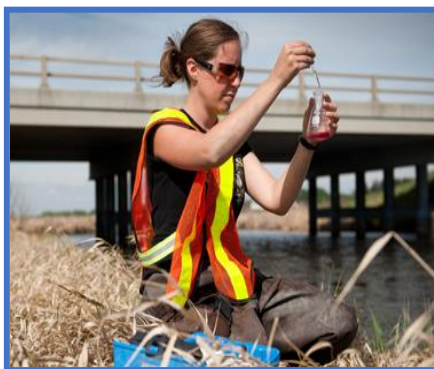
Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

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 Environment 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; the environmental auditing, emerging preparedness and response, risk assessment; and the environmental impact assessment (EIA).

During this interactive course, participants will learn 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 Environment 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, 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 a basic overview of all significant aspects and considerations of certified environment manager (CEM) 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.

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Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 27-Sep-18

HTME No.   PAR15005

Participant Name: Nabeel Al Jummaiah

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1116	Certified Environment Manager (CEM)	September 23-27, 2018	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 has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 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 1-2013 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

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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.

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. 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**), Certified Environmental Manager (**CEM**), 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 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, 24ᵗʰ of June 2024**

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:   **Tuesday, 25ᵗʰ of June 2024**

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:   **Wednesday, 26ᵗʰ of June 2024**

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: **Thursday, 27ᵗʰ of June 2024**

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: **Friday, 28ᵗʰ of June 2024**

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