

# **COURSE OVERVIEW HE1116 Certified Environmental Manager (CEM)**

#### **Course Title**

Certified Environmental Manager (CEM)

### Course Date/Venue

Please see page 3

# **Course Reference**

HE1116

## **Course Duration/Credits**

Five days/3.0 CEUs/30 PDHs

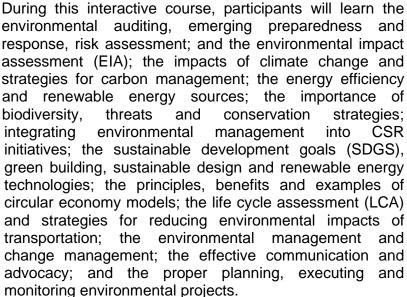
#### Course Description



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 regulations at the national and international levels; the of sustainability covering environmental and social; the basic concepts, benefits and strategies for pollution prevention; identifying 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.







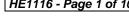






















#### **Course Objectives**

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 Date/Venue**

Session(s)	Dates	Venue
1	February 16-20, 2025	Al Khobar Meeting Room, Hilton Garden Inn, Al Khobar, KSA
2	June 30-July 04, 2025	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
3	October 19-23, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
4	December 07-11, 2025	Oryx Meeting Room, Double Tree by Hilton Al Saad, Doha, Qatar

# **Training Methodology**

All our Courses are including Hands-on Practical Sessions using equipment, Stateof-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**

Al Khobar	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Abu Dhabi	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK <sup>®</sup> (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Doha	<b>US\$ 6,000</b> per Delegate. 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.

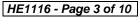




















#### **Course Certificate(s)**

(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:-







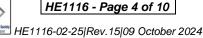






















(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.



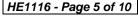
























#### **Certificate Accreditations**

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.

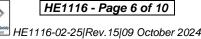
















#### Course Instructor(s)

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.

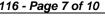




















# **Course Program**

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

Day I	
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	<b>Environmental Policies &amp; Legislation:</b> 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	<b>Pollution Prevention:</b> Basic Concepts, Benefits & Strategies for Pollution Prevention
1130 – 1245	Break
1245 - 1320	Environmental Aspects & Impacts: Identifying & Evaluating Environmental Aspects & Impacts
1320 - 1420	<b>Stakeholder Engagement:</b> Importance & Methods of Engaging Stakeholders in Environmental Management
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

Day Z		
0730 - 0830	Air Quality Management: Regulations, Air Pollution Control Technologies & Management Practices	
0830 - 0930	<b>Water Quality Management:</b> Understanding Water Pollution, Wastewater Treatment Processes & Compliance Standards	
0930 - 0945	Break	
0945 – 1100	<b>Waste Management:</b> Types of Waste, Waste Hierarchy & Sustainable Waste Management Practices	
1100 – 1230	<b>Hazardous Materials Management:</b> Handling, Storage & Disposal of Hazardous Materials	
1230 - 1245	Break	
1245 – 1320	<b>Environmental Auditing:</b> Types, Methodologies, & Benefits of Environmental Audits	
1320 - 1420	<b>Emergency Preparedness &amp; Response:</b> Planning for & Responding to Environmental Emergencies	
1420 - 1430	Recap	
1430	Lunch & End of Day Two	

Day 3

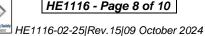
0730 - 0830	Risk Assessment Fundamentals: Identifying, Analyzing & Evaluating
0730 - 0630	Environmental Risks
0830 - 0930	<b>Environmental Impact Assessment (EIA):</b> Steps, Methods & Importance
0030 - 0930	of EIA
0930 - 0945	Break





















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	<b>Biodiversity</b> & <b>Ecosystem Services:</b> 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

# Dav 4

Day 4	
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
0030 - 0930	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
1100 - 1250	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
1020 - 1420	Impacts of Transportation
1420 – 1430	Recap
1430	Lunch & End of Day Four

# Day 5

0730 - 0830	<b>Leadership in Environmental Management:</b> Skills & Qualities of Effective Environmental Leaders
	77
0830 - 0930	Change Management: Strategies for Leading Organizational Change
0030 - 0930	Towards Environmental Sustainability
0930 - 0945	Break
0945 - 1130	<b>Environmental Communication:</b> Techniques for Effective Communication
	& Advocacy
4420 4200	Project Management for Environmental Initiatives: Planning,
1130 - 1200	Executing & Monitoring Environmental Projects
1200 - 1215	Break
1015 1000	Case Studies & Best Practices: Review of Successful Environmental
1215 – 1230	Management Practices Across Various Sectors
1020 1200	Future Trends in Environmental Management: Emerging Technologies
1230 - 1300	& Trends in Environmental Sustainability
1300 - 1315	Course Conclusion
1315 – 1415	COMPETENCY EXAM
1415 - 1430	Presentation of Course Certificates
1430	Lunch & End of Course



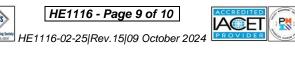


















# **Practical Sessions**

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









