

COURSE OVERVIEW HE0767 Certified Environmental Manager

Course Title

Certified Environmental Manager

Course Reference

HE0767

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Date/Venue



Obdisc Batc/ Vellac		
Session(s)	Course Date	Venue
1	February 16-20, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
2	December 07-11, 2025	Al Khobar Meeting Room, Hilton Garden Inn, Al Khobar, KSA

Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state of the are simulators.



Environmental issues impact on every organization. The rising costs of energy and raw materials, growing awareness of stakeholders and increasing environmental legislation are forcing organizations to address their own environmental performance.

Many organizations have identified that tackling environmental issues can bring benefits to their business including reduced waste and utility costs, reduced liabilities and access to new markets and investors.



Large organizations recognize that they are responsible for the environmental impacts of their supply chain. They use environmental management systems to help to minimize environmental impacts and are increasingly asking their suppliers to do so, too, as a key of component of tendering and supply procedures.



















This course is designed to provide participants with a detailed and up-to-date overview of environmental management. It covers the environmental performance and aspects of a business; the relevant international standards and regulations; the process entailed in reviewing policies and management procedures; the nature of an organization's environmental aspects and impacts; and the purpose and stages of developing an environmental policy.

During this interactive course, participants will learn the process of planning an environmental management programme; the practical techniques of environmental management; the need for, and techniques involved in, environmental awareness and management training; the types of emergency and their impacts on the environment; the process and purpose of internal and external audits; the commercial reasons for producing an environmental report; the advantages and disadvantages of implementing an accredited environmental management system; and the support that is available from environmental services.

Course Objectives

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

- Get certified as a "Certified Environmental Manager"
- Improve and manage the environmental performance and aspects of a business
- Implement the relevant international standards and regulations as they relate to environmental performance and legal compliance
- Analyze the process entailed in reviewing policies and management procedures
- Evaluate the nature of an organization's environmental aspects and impacts
- Define the purpose and stages of developing an environmental policy
- Describe the process of planning an environmental management programme
- Apply practical techniques of environmental management
- Recognize the need for, and techniques involved in, environmental awareness and management training
- Differentiate the types of emergency and their impacts on the environment
- Identify the process and purpose of internal and external audits
- Enumerate the commercial reasons for producing an environmental report
- Analyze the advantages and disadvantages of implementing an accredited environmental management system
- Identify the support that is available from environmental services

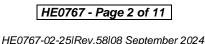




















Exclusive Smart Training Kit - H-STK®



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 is ideally suited to managers and supervisors who have duties within an existing environmental management system or who have been requested to develop an environmental management system for the first time.

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 Presentations30% 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

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 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:-







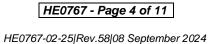






















(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.



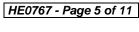






















Certificate Accreditations

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.



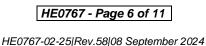
Haward Technology is accredited by the British Accreditation Council for Independent Further and Higher Education as an International Centre. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited 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. Andrew Ladwig is a Senior Process & Mechanical Engineer with over 25 years of extensive experience within the Oil & Gas, Refinery, Petrochemical & Power industries. His expertise widely covers in the areas of Ammonia Manufacturing & Troubleshooting, Distillation Towers, Crude Fundamentals of Distillation for Engineers, Distillation Operation and Troubleshooting, Advanced Distillation Troubleshooting, Distillation Technology, Vacuum Distillation, Ammonia Storage & Loading Systems, Ammonia Plant Operation, Troubleshooting & Optimization, Ammonia Recovery, Ammonia Plant Safety, Hazard of Ammonia Handling, Storage & Shipping, Operational Excellence in Ammonia Plants, Fertilizer Storage Management (Ammonia & Urea), Fertilizer

Manufacturing Process Technology, Sulphur Recovery, Phenol Recovery & Extraction, Wax Sweating & Blending, Petrochemical & Fertilizer Plants, Nitrogen Fertilizer Production, Petroleum Industry Process Engineering, Refining Process & Petroleum Products, Refinery Planning & Economics, Safe Refinery Operations, Hydrotreating & Hydro-processing, Separators in Oil & Gas Industry, Gas Testing & Energy Isolations, Gas Liquor Separation, Industrial Liquid Mixing, Wax Bleachers, Extractors, Fractionation, Operation & Control of Distillation, Process of Crude ATM & Vacuum Distillation Unit, Water Purification, Water Transport & Distribution, Steam & Electricity, Flame Arrestors, Coal Processing, Environmental Emission Control, R&D of Wax Blending, Wax Molding/Slabbing, Industrial Drying, Principles, Selection & Design, Certified Process Plant Operations, Control & Troubleshooting, Operator Responsibilities, Storage Tanks Operations & Measurements, Process Plant Troubleshooting & Engineering Problem Solving, Process Plant Performance, Efficiency & Optimization, Continuous Improvement & Benchmarking, Process Troubleshooting Techniques, Oil & Gas Operation/Introduction to Surface Facilities, Pressure Vessel Operation, Process Equipment Performance & Troubleshooting, Plant Startup & Shutdown, Startup & Shutdown the Plant While Handling Abnormal Conditions, Flare & Relief System, Process Gas Plant Start-up, Commissioning & Problem Solving, Process Liquid and Process Handling & Measuring Equipment. Further, he is also well-versed in Compressors & Turbines Operation, Maintenance & Troubleshooting, Heat Exchanger Overhaul & Testing Techniques, Balancing of Rotating Machinery (BRM), Pipe Stress Analysis, Valves & Actuators Technology, Inspect & Maintain Safeguarding Vent & Relief System, Certified Inspectors for Vehicle & Equipment, Optimizing Equipment Maintenance & Replacement Decisions, Certified Maintenance Planner (CMP), Certified Planning and Scheduling Professional (AACE-PSP), Tank Design, Construction, Inspection & Maintenance, Material Cataloguing, Specifications, Handling & Storage, Steam Trap Design, Operation, Maintenance & Troubleshooting, Steam Trapping & Control, Column, Pump & Exchangers, Troubleshooting & Design, Rotating Equipment Operation & Troubleshooting, Control & ESD System, Detailed Engineering Drawings, Codes & Standards, Budget Preparation, Allocation & Cost Control, Root Cause Analysis (RCA), Production Optimization, Permit to Work (PTW), Project Engineering, Data Analysis, Process Hazard Analysis (PHA), HAZOP Study, Sampling & Analysis, Training Analysis, Job Analysis Techniques, Storage & Handling of Toxic Chemicals & Hazardous Materials, Hazardous Material Classification & Storage/Disposal, Dangerous Goods, Environmental Management System (EMS), Supply Chain, Purchasing, Procurement, Logistics Management & Transport & Warehousing & Inventory, Risk Monitoring Authorized Gas Tester (AGT), Confined Space Entry (CSE), Personal Protective Equipment (PPE), Fire & Gas, First Aid and Occupational Health & Safety.

During his career life, Mr. Ladwig has gained his practical experience through his various significant positions and dedication as the Mechanical Engineer, Project Engineer, Reliability & Maintenance Engineer, Maintenance Support Engineer, Process Engineer, HSE Supervisor, Warehouse Manager, Quality Manager, Business Analyst, Senior Process Controller, Process Controller, Safety Officer, Mechanical Technician, Senior Lecturer and Senior Consultant/Trainer for various companies such as the Sasol Ltd., Sasol Wax, Sasol Synfuels, just to name a few.

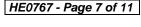
Mr. Ladwig has a Bachelor's degree in Chemical Engineering and a Diploma in Mechanical Engineering. Further, he is a Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer by the Institute of Leadership & Management (ILM) and has delivered various trainings, workshops, seminars, courses and conferences internationally.



















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 be always met:

Day 1

Day I	
0730 - 0800	Registration & Coffee
0800 - 0815	Welcome & Introduction
0815 - 0830	PRE-TEST
	The Environmental Context
	Ways in which Humans Interact with the Environment • Terms 'Climate
0830 - 0930	Change', 'Air', 'Water & Land Pollution', 'Biodiversity' & 'Depletion of
	Natural Resources' • Costs of Environmental Pollution in Economic
	Terms to a Country & a Business
0930 - 0945	Break
	The Environmental Context (cont'd)
	Basic Terms the Hydrological Cycle & the Carbon Cycle • Business
0945 - 1100	Benefits of Good Environmental Management • Terms: Environmental
	Aspect & Impact; Environmental Policy; Sustainability; Resource
	Consumption; Risk Management; Waste Minimization & Waste Hierarchy
	Environmental Legislations, Standards & Regulations
	Key Aspects & Requirements of the International Standards with Particular
1100 - 1230	Reference to the Environmental Protection, ISO 14001, Waste, Water
1100 - 1250	Pollution, Statutory Nuisance, & Producer Responsibilities • Importance
	of International Conventions • How National & International Legislation
	Impact on Commercial Activities
1230 – 1245	Break
	Environmental Legislations, Standards & Regulations (cont'd)
1245 - 1420	Nature of Legislation & Associated Guidance • Role of the Regulatory
	Authorities • Consequences of Non-Compliance
1420 – 1430	Recap
1430	Lunch & End of Day One

Dav 2

Day 2	
	Environmental Management
0730 - 0930	Common Management Systems Used by Organizations, such as ISO 9000,
	Investors in People & BS 8800 • Relationship Between Common
	Management Systems & Environmental Management Systems
0930 - 0945	Break
	Environmental Management (cont'd)
	Integrate Environmental Management into an Organization's Existing
0945 – 1100	Management Structure • Appropriate Techniques to Communicate the
	Commercial Need & Benefit of Environmental Management to Senior
	Management, such as SWOT Analysis & Stakeholder Analysis
	Environmental Aspects
	How an Organization's Activities can Effect the Environment
1100 1220	Organization's Environmental Aspects • Significance of Environmental
1100 – 1230	Effects in Order to Prioritize an Organization's Environmental Activities
	• Indirect Aspects of the Organization's that might have an Influence Over
	Supplier Performance & Methods to Develop Supplier Performance

















1230 - 1245	Break
1245 – 1420	<i>Environmental Policy</i> Environmental Policy ● Appropriate Techniques to Disseminate the Policy
1420 - 1430	Recap
1430	Lunch & End of Day Two

Dav 3

Day 3	
	Environmental Management Programme
0730 - 0930	Suitable Activities to Improve Environmental Performance • Plans to
0730 - 0930	Improve Environmental Performance • Monitor & Evaluate the
	Effectiveness of Implementation
0930 - 0945	Break
	Environmental Management Programme (cont'd)
	Manager's Role in Setting, Communicating & Monitoring Objectives &
0945 – 1100	Targets • Importance of Monitoring Procedures & Developing
0343 - 1100	Environmental Performance Indicators • Importance of Regular
	Management Reviews & Internal Audit Processes • Role of Management
	in Investigating Failure to Meet the Environmental Policy
	Environmental Management Techniques
	Describe Practical Environmental Management Techniques in Waste
1100 - 1230	Minimization, Energy & Transport Management, Pollution Control,
	Resource Use & Other Relevant Areas • Actions Needed to Improve
	Performance
1230 - 1245	Break
1245 – 1420	Environmental Management Techniques (cont'd)
1243 - 1420	Changes in Work activities to Improve Environmental Performance
1420 - 1430	Recap
1430	Lunch & End of Day Three

Day 4

	Environmental Management Training
0730 - 0930	Benefits of Environmental Awareness & Management Education •
0750 - 0550	Relevant Factors to be Considered in the Development & Content of the
	Training Programme
0930 - 0945	Break
	Emergency Planning
	Types of Emergency Situation that might have an Impact on the
1100 - 1230	Environment • How Prior Preparation & Provision of Training &
	Resources can Mitigate any Effects • Reporting Requirements of Pollution
	Incidents to Regulatory Agencies
1230 - 1245	Break
	Environmental Auditing
	Specification for Auditing Environmental Performance • Internal Audit to
1245 - 1420	an Agreed Specification & make Recommendations Based on Results •
	Specification for Auditing Environmental Performance • Support the
	External Audit Process
1420 - 1430	Recap
1430	Lunch & End of Day Four

















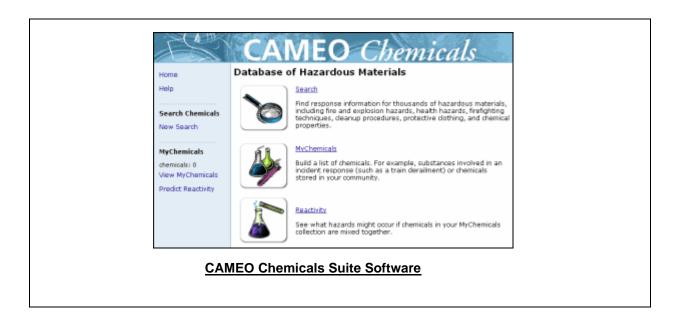


Day 5

_	Environmental Reporting
	Environmental Report Tailored for Presentation to Different External
0730 – 0930	Stakeholders • Different Format Options for Presenting Environmental
	Information
0930 - 0945	Break
	Environmental Reporting (cont'd)
0945 – 1100	Different Reporting Initiatives with Guidelines for Producing an
0545 - 1100	Environmental Report • Environmental Report Adopting Good Practice
	Features
	Environmental Management Standards
1100 - 1230	Components of such Systems • Key Stages of the Environmental
1100 1200	Management Loop • Difference Between Eco Management & Audit System
	(EMAS), ISO 14001 Systems, BS 8555 & other Preparatory Systems
1230 – 1245	Break
	Environmental Support Organizations
1245 – 1300	Types of Environmental Support Services Available • Tasks Undertaken by
	Different Environmental Professionals & Consultancies
1300 - 1315	Course Conclusion
1315 - 1415	COMPETENCY EXAM
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Simulators (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the Environmental simulators "CAMEO Chemicals Suite Software", "US EPA SCREEN3 Model" and "AERSCREEN Model".



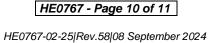




















US EPA SCREEN3 Model



AERSCREEN Model

Course Coordinator

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









