# COURSE OVERVIEW HE1110
# Certified HAZOP Member

**Course Title**
Certified HAZOP Member

**Course Reference**
HE1110

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


**Course Date/Venue**

| Session(s) | Date | Venue |
|---|---|---|
| 1 | January 27-31, 2025 | Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE |
| 2 | April 06-10, 2025 | Al Aziziya Hall, The Proud Hotel Al Khobar, Al Khobar, KSA |
| 3 | July 06-10, 2025 | Club B Meeting Room, Ramada Plaza by Wyndham Istanbul City Center, Istanbul, Turkey |
| 4 | November 16-20, 2025 | Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE |

**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.***

Old approaches to safe design in the process industry relied on the application of codes of practice and the design was usually based upon experience from specialists and operators in the industry. Such methods were able only to take into account problems and accidents that had already happened. With introduction of new technologies, unconventional design, complex plants and short operating experience, a proper PHA study is now a mandatory tool to identify potential hazards and operability problems.

PHA is a systematic multidisciplinary team study intended to identify and analyze the significance of potential process hazards and make initial recommendations for eliminating hazards, for reducing the consequences of potential accidents and for improving general facility safety.

PHA methods are used for new plants as well as for modifications to existing design. The methods have been developed primarily for the process industry and have been applied in great scale in the Oil and Gas sector. However, the PHA techniques are now applied with success for other industries such as offshore construction, power and water projects, space and military industries, and environment studies.

This course is designed to provide participants with a detailed and up-to-date overview of hazard operability (HAZOP). It covers the meaning of HAZOP, who does it, how it is done, where is it done and when is it done; the process hazard analysis and HAZOP covering process safety management versus personal safety, process hazard analysis and the use of HAZOP as preferred PHA technique; and the HAZOP methodology that include deviation, cause, consequences, safeguards and action.

## Course Objectives

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

- Get a certificate as a *"HAZOP Member"*
- Define HAZOP and discuss who does it, how it is done, where is it done and when is it done
- Discuss process hazard analysis and HAZOP covering process safety management versus personal safety, process hazard analysis and the use of HAZOP as preferred PHA techniques
- Carryout HAZOP methodology that include deviation, cause, consequences, safeguards and action

## 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 an overview for carrying out a HAZOP study for operators, maintenance personnel and technicians.

## 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.

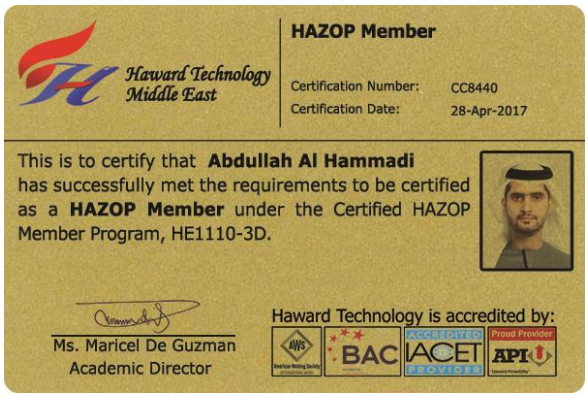
## Course Certificate(s)

(1) Internationally recognized Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who have successfully completed the course and passed the exam at the end of the course. Successful candidate will get a certificate as a "*HAZOP Member*".

**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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**Haward Technology Middle East**

Continuing Professional Development (HTME-CPD)

CEUs

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## CEU Official Transcript of Records

**TOR Issuance Date:** 28-Apr-17

**HTME No.** PAR11317

**Participant Name:** Abdullah Al Hammadi

| Program Ref. | Program Title | Program Date | No. of Contact Hours | CEU's |
|---|---|---|---|---|
| HE1110-3D | **Certified HAZOP Member** | April 26-28, 2017 | 18 | 1.8 |

Total No. of CEU's Earned as of TOR Issuance Date **1.8**

**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.

## 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. Dimitry Rovas**, CEng, MSc, PMI-PMP, SMRP-CMRP is a **Senior HSSE** (Health, Safety, Security & Environmental Management System) **Consultant** with extensive industrial experience in **Oil**, **Gas**, **Power** and **Utilities** industries. His expertise include **Industrial Security** Planning & Operations, **Asset** Protection, **Security** Investigations & Inspection, **Criminal Evidence & Crime Scene Control**, **Industrial Plant Security** Management, **Fire & Loss** Prevention, **Emergency Management**, **Fire Alarm**, **Fire Fighting System**, **Fire Rated Insulation Materials**, **Risk Assessment**, **Hazardous Materials** (**HAZMAT**), **Fire** Protection, **Fire** Precautions, **Incidents & Accidents** Reporting, **Fire and Explosion Risk Assessment** (**FERA**), **Security** Operations Planning, **Security Crisis** Management, **Strategic Security** Management, Security Survey Design, Information Technology and **Security**, **Security Threat** Identification, **Risk Analysis** Evaluation & Management, **API-780**: **Security Risk Assessment** Methodology for the Petrochemical Industries, Safety, **Security** & Environmental Codes of Practice, Power System **Security** Assessment, **Hazard Communication** (**HAZCOM**), **Hazard Recognition & Assessment**, **& Managing Risk in Process Plant, Risk Assessment & Hazard Identification**, **Risk Control**, **Cryogens**, **MSDS**, Liquified Natural Gas, **Hazard Monitoring Techniques**, **Environmental Pollution Prevention**, **Hazardous Classification**, Packaging & Labelling, **Chemical Spill Clean Up**, **Risk Assessments**, Safety & Emergency Plans, Working at Heights, Firefighting, Rescue & Operation, Fall Protection, **Confined Space Entry**, **Construction Health & Safety**, HSSE Principles & Practices, **HSE Quantitative Risk Assessment** (**QRA**), **Root Cause Analysis** & **Techniques**, **Hazardous Materials & Chemicals Handling**, **Chemical Spills**, **Safety Precaution & Response Action Plan**, **PSM**, **PHA**, **HAZOP**, **HAZID**, **Hazard & Risk Assessment**, **Task Risk Assessment** (**TRA**), **Incident Command**, **Accident & Incident Investigation**, **Emergency Response Procedures**, Job Safety Analysis (**JSA**), Behavioural Based Safety (**BBS**), **Work Permit & First Aid**, **Emergency Response**, $H_2S$, ERP Preparation, Project HSE Management System, Health & **Hygiene** Inspection, PTW Control, Process Modules Fire & Gas Commissioning, **Ergonomics**, **Lockout/Tagout**, Fire Safety & Protection and **Spill Prevention & Control**. He is currently the **Project Manager** wherein he is managing, directing and controlling all activities and functions associated with the domestic heating/cooling facilities projects.

During his life career, Mr. Rovas has gained his practical and field experience through his various significant positions and dedication as the **EPC Project Manager**, **Field Engineer**, **Preventive Maintenance Engineer**, **Researcher**, **Instructor/Trainer**, **Telecom Consultant** and **Consultant** from various companies such as the Podaras Engineering Studies, Metka and Diadikasia, S.A., **Hellenic Petroleum Oil Refinery** and COSMOTE.

Mr. Rovas has **Master's** degree in **Energy Production & Management** and **Mechanical Engineering** from the **National Technical University of Athens** (**NTUA**), **Greece**. Further, he is a **Certified Instructor/Trainer**, a **Certified Maintenance and Reliability Professional** (**CMRP**) from the Society of Maintenance & Reliability Professionals (**SMRP**), **Certified Project Management Professional** (**PMI-PMP**), **Certified Six Sigma Black Belt**, **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**), **Certified Construction Projects Contractor**, **Certified Energy Auditor** and a **Chartered Engineer**. Moreover, he is an active member of **American Society for Quality**, Project Management Institute (**PMI**), **Body of Certified Energy Auditors** and **Technical Chamber of Greece**. He has further received various recognition and awards and delivered numerous trainings, seminars, courses, workshops and conferences internationally.

## Course Fee

| | |
|---|---|
| Abu Dhabi | **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. |
| Al Khobar | **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. |
| Istanbul | **US$ 6,000** per Delegate + **VAT**. This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day. |
| Dubai | **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 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***

| | |
|---|---|
| *0800 – 0815* | *Registration, Coffee, Welcome & Introductions* |
| *0815 – 0830* | ***PRE-TEST*** |
| *0830 – 0900* | ***Video*** |
| *0900 – 0930* | ***Meaning & Overview of HAZOP*** |
| *0930 – 1000* | ***Meaning & Overview of HAZOP (cont'd)***<br>*What is HAZOP?* |
| *1000 – 1015* | *Tea Break* |
| *1015 – 1100* | ***Meaning & Overview of HAZOP (cont'd)***<br>*Who Does it?* |
| *1100 – 1200* | ***Meaning & Overview of HAZOP (cont'd)***<br>*How it is Done?* |
| *1200 - 1245* | *Prayer/Lunch Break* |
| *1245 – 1330* | ***Video*** |
| *1330 – 1430* | ***Case Studies*** |
| *1430 - 1500* | ***Recap*** |
| *1500* | *End of Day One* |

***Day 2***

| | |
|---|---|
| *0800 – 0900* | ***Video*** |
| *0900 –1000* | ***Meaning & Overview of HAZOP (cont'd)***<br>*Where is it Done?* |
| *1000 – 1015* | *Tea Break* |
| *1015 – 1100* | ***Meaning & Overview of HAZOP (cont'd)***<br>*When is it Done?* |
| *1100 – 1200* | ***Process Hazard Analysis & HAZOP*** |
| *1200 - 1245* | *Prayer/Lunch Break* |
| *1245 – 1330* | ***Video*** |
| *1330 – 1430* | ***Case Studies*** |
| *1430 – 1500* | ***Recap*** |
| *1500* | *End of Day Two* |

**Day 3**

| | |
|---|---|
| *0800 – 0900* | ***Video*** |
| *0900 –1000* | ***Process Hazard Analysis & HAZOP (cont'd)***<br>*Process Safety Management Versus Personal Safety* |
| *1000 – 1015* | *Tea Break* |
| *1015 – 1100* | ***Process Hazard Analysis & HAZOP (cont'd)***<br>*What is Process Hazard Analysis?* |
| *1100 – 1200* | ***Process Hazard Analysis & HAZOP (cont'd)***<br>*Why use HAZOP as Preferred PHA Technique* |
| *1200 - 1245* | *Prayer/Lunch Break* |
| *1245 – 1330* | ***Video*** |
| *1330 – 1430* | ***Case Studies*** |
| *1430 – 1500* | ***Recap*** |
| *1500* | *End of Day Three* |

**Day 4**

| | |
|---|---|
| *0800 – 0900* | ***Video*** |
| *0900 –1000* | ***HAZOP Methodology*** |
| *1000 – 1015* | *Tea Break* |
| *1015 – 1100* | ***HAZOP Methodology (cont'd)***<br>*Deviation* |
| *1100 – 1200* | ***HAZOP Methodology (cont'd)***<br>*Cause* |
| *1200 - 1245* | *Prayer/Lunch Break* |
| *1245 – 1330* | ***Video*** |
| *1330 – 1430* | ***Case Studies*** |
| *1430 – 1500* | ***Recap*** |
| *1500* | *End of Day Four* |

**Day 5**

| | |
|---|---|
| *0800 – 0900* | ***Video*** |
| *0900 –1000* | ***HAZOP Methodology (cont'd)***<br>*Consequences* |
| *1000 – 1015* | *Tea Break* |
| *1015 – 1100* | ***HAZOP Methodology (cont'd)***<br>*Safeguards* |
| *1100 – 1200* | ***HAZOP Methodology (cont'd)***<br>*Case Studies* |
| *1200 - 1245* | *Prayer/Lunch Break* |
| *1245 – 1330* | ***HAZOP Methodology (cont'd)***<br>*Action* |
| *1330 – 1430* | ***COMPETENCY EXAM*** |
| *1430 – 1500* | *Presentation of Course Certificates* |
| *1500* | *End of Course* |

**Practical Sessions**

This practical and highly-interactive course includes real-life case studies and exercises:-

**Course Coordinator**

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