

**COURSE OVERVIEW HE0140**  
**Certified Risk Assessment in Production Operations**

**Course Title**

Certified Risk Assessment in Production Operations

**Course Date/Venue**

February 16-20, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

**Course Reference**

HE0140

**Course Duration/Credits**

Five days/3.0 CEUs/30 PDHs



**Course Description**

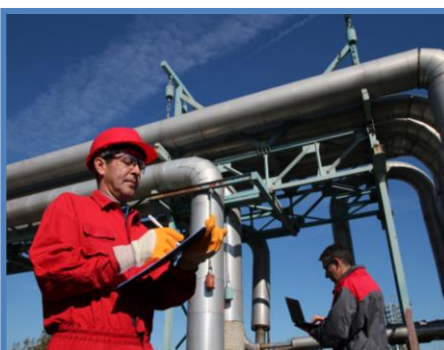


***This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.***

This course is geared to those whose responsibilities include risk assessments, development of management systems, and providing advice to decision makers. The main objective of this course is to teach a thorough understanding of risk assessment principles and techniques as applicable to production operations.



During the course, participants are provided with a broad overview of the technical tools available to assess risk within production operations as well as how these tools fit in the bigger picture of the broader risk management systems to control risk.



The course will provide delegates with enough information in order to assess plant risks at all stages in a project and to implement safe working practices and procedures relating to process plant and equipment. Participants will learn how to recognize the difference between hazard, risk and risk assessment. They will learn how to evaluate different types of risks and how to apply advanced risk assessment techniques in their plants. The course will encourage delegates to develop their own strategy for planning and implementing a proper risk reduction procedures.

### Course Objectives

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

- Get certified as a “*Certified Risk Assessor*”
- Apply and gain an in-depth knowledge in risk assessment within production operations
- Identify the difference between hazard, risk and risk assessment
- Evaluate the various types of risk and apply advanced risk assessment techniques
- Implement a good strategy for planning risk reduction
- Employ the variety of communication styles to efficiently cope with different situations
- Plan and conduct successful appraisal interviews with the team
- Create a plan of action to implement in the organization

### Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Howard Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.

### Who Should Attend

This course provides an overview of all significant aspects and considerations of risk assessment in production operations for all personnel who are involved in carrying out and implementing actions resulting from risk assessments. The program is based on multi-disciplinary approach, which includes all personnel from senior management to technicians and operators from the process, mechanical, control, maintenance & production departments. This course is a must for all engineers, supervisors, foremen and other technical staff within production, operation and HSE departments.

### Course Fee

**US\$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Howard Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

### 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.

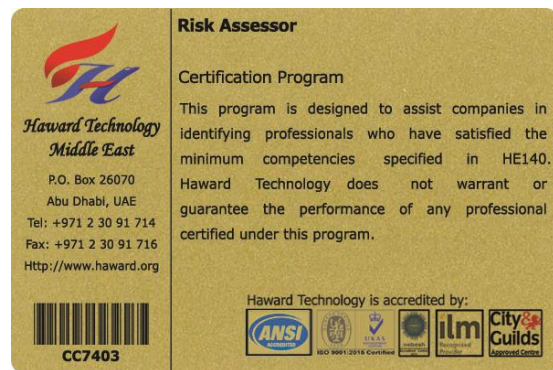
**Course Certificate(s)**

(1) Internationally recognized Competency Certificates and Plastic Wallet 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 Risk Assessor*”. 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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**Haward Technology Middle East**  
Continuing Professional Development (HTME-CPD)

**CEU Official Transcript of Records**

**TOR Issuance Date:** 24-Aug-17  
**HTME No.** PAR11317  
**Participant Name:** Ebrahim Al Enazi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE140	Advanced Process Risk Assessment with Production & Operation	August 20-24, 2017	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), 1780 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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | Fax: +971 2 3091 716 | 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.

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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.

## 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. John Taljard** is an **International Health, Safety & Environment (HSE) Expert** within **Oil, Gas and Petrochemical** industries. His expertise includes **Accident/Incident Investigation & Risk Management, Risk Assessment** within Production Operation, **Hazard Identification, Quantified Risk Assessment, Process Hazard Analysis (PHA), Construction Safety (STOP), Process Safety Management, HAZOP Studies & Leadership, FMEA, Waste Management, Industrial Effluents, Hazardous Material, Chemical Handling, Firefighting, Emergency Response Services, HAZCOM, HAZWOPER and HAZMAT** with over **30 years** of practical experience in the **process** industry. His wide experience also includes **Environmental Management (ISO 14001), Safety Management (OHSAS 18001), Quality Management (ISO 9001)**. He is the **Founder** of **ISTEC**, an international health & safety management and consultancy company where he is greatly involved in the development and implementation of **SHEQ standards & procedures, HAZOP Studies, HAZOP Leadership, FMEA, PHA, operational safety guidelines, inspections & auditing techniques.**

While Mr. Taljard has been very active in the process industry for almost three decades, he has likewise headed Consultancy projects for major **petrochemical, aviation, engineering & construction, mining & chemical** industries. In all his projects, he utilizes a systems approach which includes **risk management, process safety, health & environmental management, human behaviour and quality management.** Furthermore, he has come to share his expertise through the **numerous international trainings** he has held on **PHA, HAZOP, Risk Assessment, Handling Hazardous Materials & Chemicals, Petroleum Products Handling & Transportation, Fire Fighting & Fire Rescue, Safety Auditing, Hazard Identification & Site Inspection and Accident Investigation** for several significant clientele among these are **ARAMCO, SABIC, ZADCO, ORPC, KOTC, and AADC.** Moreover, he completed various assignments as a consultant, trainer, facilitator, auditor & designer and conducted numerous licensed international Safety, Technology and Auditing Awareness & Implementing training courses including **IMS, ISO 9001, ISO 14001, ISO 27001, ISO 17799, OHSAS 18001** audits & assessments. With his accomplishments and achievements, he had been a **Safety Superintendent, Senior Safety Official and Senior Process Controller** for several international petrochemical companies.



**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, 16<sup>th</sup> of February 2025**

0730 - 0800	Registration, Coffee
0800 - 0815	Welcome & Introduction
0815 - 0830	<b>PRE-TEST</b>
0830 - 0930	<i>The Concept of Hazards, Risk, &amp; Risk Assessment</i>
0930 - 0945	Break
0945 - 1100	<b>Workshop: Risk Assessment (Groups)</b>
1100 - 1230	<b>Group Presentation of their Work (Risk Assessment)</b>
1230 - 1245	Break
1245 - 1345	<b>Video: Piper Alpha Disaster</b>
1345 - 1420	<b>Human Contribution to Accidents - Piper Alpha Disaster</b>
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day One

**Day 2: Monday, 17<sup>th</sup> of February 2025**

0730 - 0800	<i>Introduction to Hazards Identification &amp; Analysis Techniques</i>
0800 - 0830	<i>Exercise: Hazard Identification</i>
0930 - 0945	Break
0945 - 1100	<b>Video: HAZOP</b>
1100 - 1230	<i>Techniques for Hazard Identification &amp; Analysis - HAZOP</i>
1230 - 1245	Break
1245 - 1420	<b>Workshop: HAZOP study (Groups)</b>
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day Two

**Day 3: Tuesday, 18<sup>th</sup> of February 2025**

0730 - 0830	<i>Group Presentation of their Work (HAZOP)</i>
0830 - 0930	<i>Failure Mode &amp; Effects Analysis (FMEA)</i>
0930 - 0945	Break
0945 - 1100	<b>Workshop: FMEA (Groups)</b>
1100 - 1230	<i>Group Presentation of their Work (FMEA)</i>
1230 - 1245	Break
1245 - 1345	<i>Analysis of Consequences - Mechanics of Fire, Explosion &amp; Toxic Releases</i>
1345 - 1420	<i>Exercise: Consequence Analysis</i>
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day Three

**Day 4: Wednesday, 19<sup>th</sup> of February 2025**

0730 - 0830	<b>Video: Human Factor</b>
0830 - 0930	<i>Human Factor and Risk Assessment</i>
0930 - 0945	Break
0945 - 1100	<b>Hierarchical Task Analysis "HTA"</b>
1100 - 1230	<b>Workshop: HTA (Groups)</b>
1230 - 1245	Break
1245 - 1420	<b>Group Presentation of their Work (HTA)</b>
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day Four

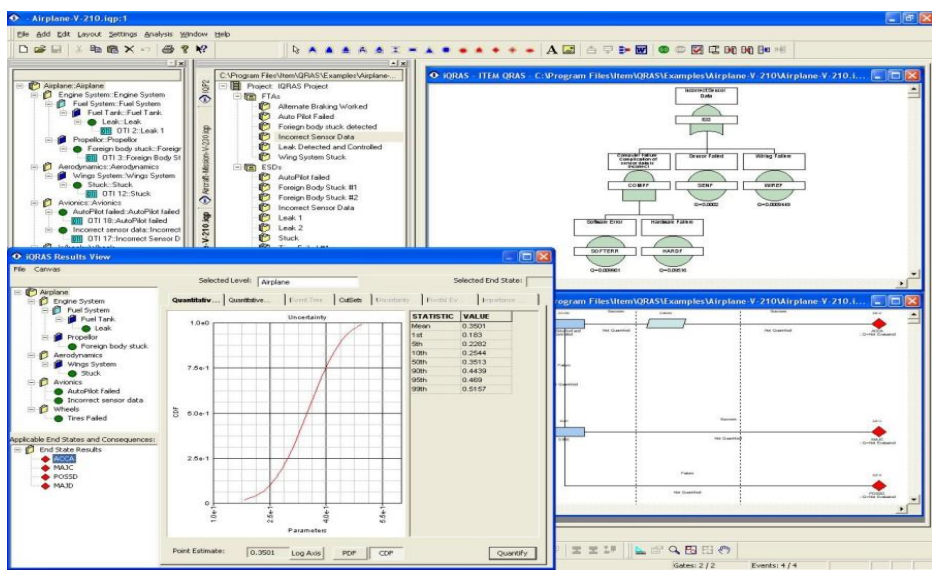


**Day 5: Thursday, 20<sup>th</sup> of February 2025**

0730 – 0830	<b>Task-Based HAZOP Application to Critical Activities</b>
0830– 0930	<b>Workshop: Task-Based HAZOP (Groups)</b>
0930 - 0945	Break
0945– 1100	<b>Group Presentation of their Work (Task-Based HAZOP)</b>
1100 – 1200	<b>The Role of Quantified Risk Assessment “QRA”</b>
1200 – 1215	Break
1215 – 1245	<b>Case Study: Risk Assessment Implementation in Production Facility</b>
1245 – 1300	<b>Overview LOPA</b>
1300 – 1315	<b>Course Conclusion</b>
1315– 1415	<b>COMPETENCY EXAM</b>
1415 - 1430	Presentation of Course Certificates
1430	Lunch & End of Course

**Simulator (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 our state-of-the-art simulators “QRA System Software”.



**QRA System Software**

**Course Coordinator**

Mari Nakintu, Tel: +971 2 30 91 714, Email: [mari1@haward.org](mailto:mari1@haward.org)