

COURSE OVERVIEW PE0256(AR1)
Fuel Products Specifications

Course Title

Fuel Products Specifications

Course Date/Venue

Session 1: April 27-May 01, 2025/Fujairah
 Meeting Room, Grand Millennium
 Al Wahda Hotel, Abu Dhabi, UAE
 Session 2: September 29-October 03, 2025/
 Boardroom 1, Elite Byblos Hotel Al
 Barsha, Sheikh Zayed Road, Dubai,
 UAE



Course Reference

PE0256(AR1)



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 provides a comprehensive understanding of the critical parameters, standards, and regulatory requirements governing fuel products. Participants will explore the composition, properties, and quality control measures for various fuels including gasoline, diesel, jet fuel and marine fuels. The course covers key industry standards such as ASTM, ISO and EN specifications as well as compliance with environmental regulations like sulfur content limits and emission control measures. Additionally, attendees will learn about testing methodologies, refining processes, blending techniques and the impact of additives on fuel performance.



During this interactive course, participants will learn the fuel properties, testing methods, combustion properties and additives; the relationship between changing fuel specifications on jet engine performance and environmental emissions; troubleshooting to improve reduction of contamination; and the fuel product quality in aircraft fueling operations.



Course Objectives

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

- Apply and gain a good working knowledge on AFO and jet fuel product handling
- Describe fuel properties, testing methods, combustion properties and additives
- Describe the relationship between changing fuel specifications on jet engine performance and environmental emissions
- Troubleshoot to improve reduction of contamination
- Improve fuel product quality in aircraft fueling operations

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 conveniently saved in a **Tablet PC**.

Who Should Attend

This course is intended for distribution, engineering and refining professionals as well as for R&DC supervisors and technicians involved in jet fuel testing and management.

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 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)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.


Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

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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.

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. Mohammad Hamami, is a **Senior Process Engineer** with an extensive practical experience within the **Oil, Gas, Refinery, Petrochemical** and **Power** industries. His experience covers **Clean Fuel Technology & Standards, Clean Fuel Specification, Emission Regulation, Crude Oil Production, Desulphurization, Synthesis Gas Production, Naphtha Isomerization, Diesel Fuel Additives, Storage Tanks Filtration, Fuel Quality Inspection, Process Plant Troubleshooting & Engineering Problem Solving, Process Equipment Operation, Process Plant Operation, Process Plant Start-up & Commissioning, Process Plant Optimization, Oil & Gas Field Operation, Oil Movement, Storage & Troubleshooting, Petroleum Refinery Process, Process Reactor Operation & Troubleshooting, LPG Oil & Gas Operation & Troubleshooting, Crude Oil & LNG Storage, LNG & LPG Plants Gas Processing, Refinery Process Operations Technology, Liquid Bulk Cargo Handling, Gas Conditioning & Processing Technology, Distillation Column Design & Operation and Gasoline & Diesel Fuel Technology**. Further he is also well-versed in **Refinery Operational Economics & Profitability, Aromatics Manufacturing Process, Hydrogen Production Operation, Steam Reforming Technology, Gas Treating, Hydro-treating & Hydro-Cracking, Catalyst Material Handling, Gas Sweetening & Sulfur Recovery, Hydro Carbon Dew Point (HCDP) Control, Heat Exchangers & Fired Heaters, Amine Gas Sweetening, Plastic Additives Selection & Application, Crude & Vacuum Process Technology, Flare & Pressure Relief Systems, Stock Management & Tank Dipping Calculation, NGL Recovery & Fractionation, Refrigerant & NGL Extraction and Catalytic Cracking & Reforming**.

During his long professional career, Mr. Mohammad worked as a **Refinery Manager, Operations Manager, Section Head/Superintendent** and **Process Engineer for Process Units, Utilities & Oil Movement** in various companies. He has been responsible for a number of **technological-driven world-scale hydrocarbon processing projects from beginning to successful start-up**.

Mr. Mohammad has a **Bachelor's degree in Chemical Engineering**. He is an **active member** of the **American Institute of Chemical Engineers (AIChE)** and has presented **technical papers** at its **several national meetings**. He has largely participated in the **start-up of seven world-scale process plants** which made him an **International Expert in Process Plant Start-Up and Oil Movement** and a **Certified Instructor/Trainer**.

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

0730 – 0800	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Module 1: Specifications
0930 – 0945	<i>Break</i>
0945 – 1100	Module 1: Specifications (cont'd)
1100 – 1215	Module 1: Specifications (cont'd)
1215 – 1230	<i>Break</i>
1230 – 1430	Module 1: Specifications (cont'd)
1430	<i>Lunch & End of Day One</i>

Day 2

0730 – 0930	Module 1: Specifications (cont'd)
0930 – 0945	<i>Break</i>
0945 – 1100	Module 2: Additives
1100 – 1215	Module 2: Additives (cont'd)
1215 – 1230	<i>Break</i>
1230 – 1430	Module 2: Additives (cont'd)
1430	<i>Lunch & End of Day Two</i>

Day 3

0730 – 0930	Module 2: Additives (cont'd)
0930 – 0945	<i>Break</i>
0945 – 1100	Module 2: Additives (cont'd)
1100 – 1215	Module 3: Distribution
1215 – 1230	<i>Break</i>
1230 – 1430	Module 3: Distribution (cont'd)
1430	<i>Lunch & End of Day Three</i>

Day 4

0730 – 0930	Module 3: Distribution (cont'd)
0930 – 0945	<i>Break</i>
0945 – 1100	Module 3: Distribution (cont'd)
1100 – 1215	Module 3: Distribution (cont'd)
1215 – 1230	<i>Break</i>
1230 – 1430	Module 4: The Jet Engine
1430	<i>Lunch & End of Day Four</i>

Day 5

0730 - 0930	Module 4: The Jet Engine (cont'd)
0930 - 0945	Break
0945 - 1100	Module 4: The Jet Engine (cont'd)
1100 - 1215	Module 4: The Jet Engine (cont'd)
1215 - 1230	Break
1230 - 1400	Module 4: The Jet Engine (cont'd)
1400 - 1415	POST-TEST
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