



Fuel Station Licensing & Regulatory Compliance Masterclass

06 - 10 Jun 2027
Kuala Lumpur (Malaysia)



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Ref.: 121341_1028553 **Date:** 06 - 10 Jun 2027 **Location:** Kuala Lumpur (Malaysia) **Fees:** 4900 Euro

Introduction

This Fuel Station Licensing & Regulatory Compliance masterclass provides a structured and comprehensive overview of the regulatory, environmental, fire safety, and operational compliance requirements governing fuel stations. It guides participants through the whole licensing cycle, from land selection and zoning to commissioning and operation. The course explains documentation standards, approval pathways, inspection readiness, and risk controls required by authorities.

Participants will understand technical system requirements, including UST standards, ATEX classification, vapour recovery, and spill containment. Through scenario-based analysis, learners will build practical skills in application review, emergency response, and compliance monitoring. This Fuel Station Licensing & Regulatory Compliance program ensures professionals can maintain consistent regulatory alignment and avoid operational violations.

Targeted Groups

This Fuel Station Licensing & Regulatory Compliance masterclass targets professionals seeking specialized knowledge and skills:

- Fuel station owners and operating managers.
- Regulatory compliance professionals in the petroleum sector.
- Environmental health and safety EHS specialists.
- Engineers involved in station design, construction, or commissioning.
- Municipal and licensing authority officers.
- Quality and metrology inspectors.
- Emergency response and fire brigade personnel.

Course Objectives

Participants will achieve the following objectives by completing the Fuel Station Licensing & Regulatory Compliance course:

- Understand national petroleum laws, municipal regulations, and zoning requirements governing fuel stations.
- Identify each permit type, documentation requirement, and approval step across the complete licensing cycle.
- Recognize significant compliance risks in UST systems, dispenser metrology, and hazardous area classification.
- Apply technical rules for leak detection, overfill prevention, calibration, and electrical safety.
- Implement fire safety codes, emergency response protocols, and evacuation planning standards.
- Assess vapour recovery stages, spill containment systems, and environmental monitoring obligations.
- Prepare inspection-ready checklists and maintain proper operational records.
- Evaluate sample layouts, licensing packages, and incident simulations to strengthen decision-making.

- Improve compliance capabilities to minimize penalties and operational disruptions.

Targeted Competencies

Participants will gain the following competencies during the Fuel Station Licensing & Regulatory Compliance program:

- Ability to interpret petroleum regulations and apply them to real licensing cases.
- Skills to assemble complete permit files and audit documentation accuracy.
- Proficiency in assessing UST construction, leak prevention systems, and metrological calibration.
- Competence in identifying ATEX, electrical, and dispenser safety non-conformities.
- Capability to structure fire safety plans and execute spill and emergency procedures.
- Knowledge of environmental control methods and monitoring practices.
- Confidence in preparing for regulatory inspections and addressing violations.
- Skills in maintaining accurate operational logs, stock reconciliation, and compliance reports.

Studying Scenarios

In this Fuel Station Licensing & Regulatory Compliance training, participants will develop their skills through the analysis of the following scenarios:

- Reviewing a licensing file to identify missing permits or incorrect documents.
- Checking a station layout to detect non-compliant UST or ATEX design elements.
- Simulating response steps during a fuel spill followed by a fire alarm event.
- Preparing documentation required for a scheduled regulatory inspection.
- Analyzing discrepancies in tank stock reconciliation to detect operational issues.

Course Content

Unit 1: Regulatory Framework & Licensing Requirements

- Overview of the petrol station regulatory environment.
- National laws, petroleum regulations, local/municipal rules.
- Zoning, land-use, and location restrictions.
- Types of permits & licenses:
 - Construction permit.
 - Environmental approvals.
 - Fire brigade approval.
 - Operation license.
 - Renewal & modification permits.
- Process flow: from land selection to construction, commissioning, and operation.
- Require documentation for each stage.
- Common licensing mistakes and how to avoid them.
- Reviewing a sample licensing package.
- Group exercise: identify missing elements in an application file.

Unit 2: Fuel Storage Systems & Technical Safety Requirements

- Underground storage tank UST standards.
- Tank design, double-wall construction, piping requirements.
- Leak detection systems.

- Overfill prevention.
- Calibration requirements.
- Dispenser system compliance & metrological standards.
- Electrical, ATEX, and hazardous area classification.
- Emergency shut-off systems.
- Tank system diagram review.
- Identifying compliance violations on sample station layouts.

Unit 3: Fire Safety & Emergency Preparedness

- Fire safety codes for petrol stations.
- Fire brigade approval process pre-commissioning & operations.
- Required firefighting equipment & minimum quantities.
- Ventilation and fire-resistant construction requirements.
- Emergency response procedures.
- Fuel spills, fires, leaks: step-by-step protocols.
- Evacuation planning.
- Drills, staff training obligations.
- Incident reporting to authorities.
- Fire safety equipment placement exercise.
- Simulation: responding to a spill and fire alarm event.

Unit 4: Environmental Compliance & Monitoring

- Vapour recovery systems Stage I & Stage II.
- Spill control systems & secondary containment.
- Groundwater protection, soil monitoring wells.
- Waste management: oily water, sludge, filters, containers.
- Environmental Impact Assessment when required.
- Routine environmental monitoring requirements.
- Penalties for environmental non-compliance.
- Sustainability and efficiency considerations.
- Environmental compliance checklist creation.
- Review of spill prevention and containment equipment.

Unit 5: Operational Compliance, Inspections & Record-Keeping

- Daily, weekly, and monthly regulatory checklists.
- Fuel quality standards & sampling.
- Station manager and operator responsibilities.
- Staff training & competency requirements.
- Preparing for inspections municipal, environmental, fire brigade, and metrology.
- Handling non-compliance notices.
- Record-keeping systems logs, permits, reports.
- Fraud prevention, tank stock reconciliation & security compliance.

Final Insights & Key Takeaways

This course equips participants with the complete regulatory and technical understanding needed to manage fuel station compliance with confidence. It builds the operational readiness required to maintain alignment on licensing, safety, and the environment at all times.



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