Garnet
Garnet Global Training Center

GGT-HS-108

HSE & Process Safety | Rare specialisation | New from 2028

Hydrogen Safety & Hazard Management

السلامة وإدارة المخاطر في التعامل مع الهيدروجين

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (management)**

Overview

This program treats Hydrogen Safety & Hazard Management as a managed system: policies, roles, resources, performance indicators and continual improvement. Prevent incidents by understanding hazards, controlling risk and leading safety culture. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Set up and run Hydrogen Safety & Hazard Management as a managed process with clear roles.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.
- Control risk, quality and compliance in this area.
- Lead improvement projects and measure their benefit.

Who should attend

HSE professionals, operations leaders, supervisors and anyone accountable for safe work. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

Key topics

- Hazard identification and risk assessment
- Barriers, bow-tie and layers of protection
- Legal duties and international standards
- Human factors and safety culture
- Emergency preparedness
- Lessons from major accident investigations

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Hydrogen Safety & Hazard Management: the management framework

- Hazard identification and risk assessment
- Common mistakes and how to avoid them

Day 2 Planning, resources and budgets

- Barriers, bow-tie and layers of protection
- Legal duties and international standards

Day 3 Performance measurement and control

- Human factors and safety culture
- Regional and international case studies

Day 4 Risk, compliance and improvement

- Emergency preparedness
- Checklists and templates to take away

Day 5 Management case study and action plan

- Lessons from major accident investigations
- Group discussion and peer review

10-day outline

Day 1 Hydrogen Safety & Hazard Management: the management framework

- Hazard identification and risk assessment
- Common mistakes and how to avoid them

Day 2 Planning, resources and budgets

- Barriers, bow-tie and layers of protection
- Legal duties and international standards

Day 3 Performance measurement and control

- Human factors and safety culture
- Regional and international case studies

Day 4 Risk, compliance and improvement

- Emergency preparedness
- Checklists and templates to take away

Day 5 Management case study and action plan

- Lessons from major accident investigations
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Hands-on workshop on a workplace challenge

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
7–18 Feb 2028	10-day classroom	Abu Dhabi	English	8,950
1–5 May 2028	5-day classroom	Dubai	Arabic	4,750
14–25 Aug 2028	10-day online	Live online	Arabic	5,450
11–15 Dec 2028	5-day classroom	Istanbul	English	4,750
18–22 Jun 2029	5-day classroom	Geneva	English	4,750
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
4–8 Nov 2029	5-day classroom	Jeddah	English	4,750
16–27 Dec 2029	10-day classroom	Riyadh	Arabic	8,950
14–18 Jan 2030	5-day classroom	Vienna	English	4,750

Dates	Format	City	Language	Fee (USD)
15–19 Apr 2030	5-day classroom	Kuala Lumpur	English	4,750
1–12 Jul 2030	10-day classroom	Barcelona	English	8,950
2–13 Dec 2030	10-day online	Live online	English	5,450

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/