

Process Safety Management (PSM)

London (UK)

22 - 26 March 2027

UK Training

PARTNER



Process Safety Management (PSM)

Code: HS32 From: 22 - 26 March 2027 City: London (UK) Fees: 6100 Pound

Introduction

Process Safety Management PSM has become a cornerstone for organizations operating in high-risk environments such as oil and gas, petrochemicals, energy, and other industrial sectors. This course is designed to equip participants with the knowledge, tools, and strategies needed to design and implement effective safety systems that reduce the likelihood of incidents, protect people and assets, and ensure compliance with international standards.

Targeted at executives, team leaders, and specialists across diverse industries, this program emphasizes both strategic insights and practical applications of Process Safety Management PSM to support sustainable operational safety and organizational resilience.

Course Objectives

By the end of this course, participants will be able to:

- Understand the core principles of Process Safety Management PSM.
- Apply systematic approaches to hazard identification and risk reduction.
- Analyze incident causes and apply lessons learned to prevent recurrence.
- Develop integrated strategies for compliance with international standards.
- Promote a strong organizational safety culture.
- Manage change effectively to maintain process safety.
- Build emergency preparedness and crisis management plans.

Course Outlines

Day 1: Fundamentals of Process Safety Management

- Defining PSM and its importance in high-risk industries.
- Differentiating process safety from occupational safety.
- Core components of a PSM program.
- International standards and frameworks OSHA, API, IEC.
- The role of leadership in driving safety initiatives.
- Case study: Lessons from process safety system failures.

Day 2: Hazard Identification and Risk Analysis

- Hazard identification methodologies HAZID, HAZOP.
- Quantitative and qualitative risk analysis techniques.
- Human and environmental factors in risk management.
- Leveraging data for proactive safety improvement.
- Software tools for risk analysis.
- Group exercise: Conducting a hazard analysis.



Day 3: Systems and Procedures for PSM

- Developing safety policies and procedures.
- Engineering and administrative control systems.
- Documentation and record management.
- Team roles and responsibilities in PSM implementation.
- Inspection and monitoring processes.
- Industry case studies from oil and gas operations.

Day 4: Management of Change and Emergency Preparedness

- Importance of change management in sustaining safety.
- Implementing MOC Management of Change frameworks.
- Emergency planning and rapid response systems.
- Coordination with regulatory bodies.
- Simulation drills for emergency and evacuation planning.
- Case studies of successful crisis management.

Day 5: Performance Evaluation and Continuous Improvement

- Key performance indicators for process safety.
- Reviewing incidents and applying lessons learned.
- Embedding a culture of continuous improvement.
- Reporting safety performance to stakeholders.
- Long-term strategies for sustainable process safety.
- Final presentations and program evaluation.

Why Attend this Course: Wins & Losses!

- Gain in-depth expertise in Process Safety Management PSM.
- Strengthen risk identification and mitigation capabilities.
- Foster a culture of safety and accountability across the organization.
- Learn to design and implement crisis management strategies.
- Improve compliance with global safety regulations.
- Apply knowledge through practical case studies and group exercises.
- Enhance organizational efficiency and resilience through safer processes.
- Reduce potential losses, downtime, and reputational risks.

Conclusion

Process Safety Management PSM is a critical framework for ensuring the safety, sustainability, and resilience of industrial operations. This program equips participants with practical tools and global best practices to design, implement, and continuously improve safety systems that minimize risks, protect people, and enhance compliance.

By the end of the course, participants will be prepared to embed PSM principles into organizational strategies, building a safer and more sustainable future for their institutions.



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior,
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for
Electricity Regulation, Oman

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced Courses
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training

