



Advanced HSSE Principles and Practices Training Course

1 – 5 August 2027
Toronto

Advanced HSSE Principles and Practices Training Course

Ref: 1299_196075 **Date:** 1 – 5 August 2027 **Location:** Toronto **Fees:** 12000 Euro

Overview

Advanced HSSE Principles and Practices Training Course is a one-week advanced course for HSSE managers, operational leaders, assurance professionals, and senior supervisors who leave with an Integrated HSSE Assurance and Improvement Framework. Participants connect integrated HSSE management with critical risk controls, environmental aspect assessment, security risk management, contractor HSSE assurance, incident learning, emergency coordination, and performance evaluation. The course resolves fragmented oversight through evidence-based governance and field assurance. Agile Leaders Training Center frames advanced HSSE practice as an integrated operational discipline.

Who Should Attend

- Leaders accountable for integrated health, safety, security, and environmental performance
- Professionals responsible for operational assurance and critical control verification
- Managers coordinating contractor capability, interfaces, and field controls
- Specialists responsible for environmental aspects, security threats, and emergency readiness
- Senior supervisors responsible for incident learning and improvement priorities

The course assumes participants already assess operational risks and review control evidence at work, and leaves out foundation safety awareness, specialist engineering design, and legal interpretation.

Departments and Industries

The course supports departments and industries that coordinate HSSE risks across complex operations and shared interfaces.

- HSSE, operations, engineering, and maintenance departments
- Assurance, audit, quality, and risk functions
- Procurement, contractor management, facilities, and security teams
- Energy, manufacturing, construction, and logistics organizations
- Healthcare, hospitality, technology, and public service institutions

Learning Objectives

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



- Apply an integrated HSSE governance structure to operational decisions
- Analyze critical risks, environmental aspects, and security threats together
- Build contractor HSSE assurance and interface control arrangements
- Evaluate critical control performance with field evidence
- Use incident and emergency evidence to coordinate corrective action
- Prioritize improvement through indicators and assurance findings

Course Agenda

Day 1: Integrated HSSE Governance

- HSSE Scope and Integration Map
- Leadership Accountability Matrix
- Stakeholder and Context Analysis
- Integrated Policy and Objective Architecture
- HSSE Governance Charter

Day 2: Critical Risks and Environmental Aspects

- Critical Risk and Control Taxonomy
- Environmental Aspect and Impact Register
- Security Threat and Vulnerability Profile
- Risk Interaction and Escalation Map
- Critical Control Performance Standard

Day 3: Contractors and Operational Assurance

- Contractor HSSE Capability Assessment
- HSSE Plan and Bridging Document
- Permit and Interface Control Map
- Field Verification and Assurance Checklist
- Nonconformity and Corrective Action Tracker

Day 4: Incidents, Emergencies, and Performance

- Incident Learning and Causal Analysis
- Integrated Emergency Coordination Matrix
- Community and Stakeholder Communication Plan
- Leading and Lagging HSSE Indicator Set
- HSSE Performance and Assurance Dashboard



Day 5: Integrated HSSE Practice

- Exercise: Integrated Risk and Aspect Review
- Exercise: Critical Control Verification
- Exercise: Contractor Interface Assurance
- Exercise: Emergency and Incident Learning Review
- Capstone Exercise: Integrated HSSE Assurance and Improvement Framework

Practical Exercises

The course uses suggested activities that integrate assurance decisions across operational settings.

- Suggested activity: compare critical risk, environmental aspect, and security evidence for an industrial operation.
- Suggested activity: test contractor interface controls against field observations and permit evidence.
- Suggested activity: coordinate incident and emergency findings across operations, facilities, and community interfaces.
- Suggested activity: present improvement priorities using control, indicator, and assurance evidence.

FAQs

Who suits advanced HSSE principles and practices training and what does it assume?

Advanced HSSE principles and practices training suits managers, operational leaders, assurance professionals, and senior supervisors. It assumes experience assessing operational risks, reviewing control evidence, and coordinating across functions.

How does advanced HSSE practice differ from general occupational safety training?

Advanced HSSE practice integrates health, safety, security, environmental, contractor, emergency, and assurance decisions. General occupational safety training focuses more narrowly on workplace hazards and established safeguards.

What are critical controls in integrated HSSE management?

Critical controls are safeguards essential to preventing or limiting high-consequence events. Integrated HSSE management assigns performance requirements, owners, verification methods, and escalation actions to those controls.

How does contractor HSSE assurance manage shared interfaces?

Contractor HSSE assurance compares capability, plans, bridging arrangements, permits, field evidence, and corrective actions so responsibilities and controls remain clear across shared work.



How are advanced HSSE performance indicators selected?

Advanced HSSE performance indicators combine leading evidence about control implementation with lagging evidence about events and impacts, then connect trends to objectives, assurance findings, and improvement priorities.

Conclusion

The course integrates governance, critical risks, environmental aspects, security, contractors, incidents, emergencies, indicators, and assurance. Participants take back an Integrated HSSE Assurance and Improvement Framework supported by maps, registers, matrices, checklists, and dashboards. The framework changes disconnected controls into coordinated decisions with ownership, verification, escalation, and review.