



Consulting and Training | Reach New Heights

Course Name

HSSE Risk Management and Operational Resilience Excellence

Sector Name

Health, Safety and Environment

Document Type

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HSSE Risk Management and Operational Resilience Excellence

Course Introduction

Organizations operating in complex or high-risk environments must manage Health, Safety, Security, and Environmental risks while maintaining the ability to continue critical operations under disruptive conditions.

Effective HSSE management therefore extends beyond compliance and incident prevention; it requires organizations to understand critical risks, establish effective controls, prepare for disruption, and build resilience into operational systems.

This **five-day** program provides an integrated framework for HSSE risk management and operational resilience. The program will cover risk identification, critical controls, risk-based decision-making, emergency preparedness, incident response, resilience planning, business continuity interfaces, and organizational readiness.

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Target Audience

- ✓ HSSE Managers and Professionals
- ✓ Safety Managers
- ✓ Environmental Professionals
- ✓ Operations Managers
- ✓ Risk Managers
- ✓ Emergency Response Professionals
- ✓ Security and Resilience Professionals
- ✓ Facility and Asset Managers
- ✓ Supervisors in high-risk operational environments
- ✓ Professionals responsible for operational risk and resilience

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Learning Objectives

- ✓ Understand integrated HSSE risk management principles.
- ✓ Identify and assess significant operational HSSE risks.
- ✓ Apply risk-based approaches to operational decision-making.
- ✓ Identify critical controls for high-consequence risks.
- ✓ Strengthen emergency preparedness and response capabilities.
- ✓ Understand the relationship between HSSE risk and operational resilience.
- ✓ Assess operational dependencies and disruption exposure.
- ✓ Develop resilience and recovery approaches for critical operations.
- ✓ Strengthen organizational readiness for major disruptions.

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Course Outline

✓ DAY 01

Integrated HSSE Risk Landscape

- ✓ HSSE Risk Management Framework
- ✓ Understanding the components of integrated HSSE risk
- ✓ Identifying hazards across operational environments
- ✓ Distinguishing routine and high-consequence risks
- ✓ Establishing risk ownership and accountability
- ✓ Integrating health, safety, security, and environmental considerations
- ✓ Connecting HSSE risk management with operational objectives

Risk Identification and Assessment

- ✓ Identifying operational hazards and exposure pathways
- ✓ Assessing likelihood and consequence
- ✓ Understanding risk matrices and risk classification
- ✓ Identifying vulnerable activities, assets, and populations
- ✓ Evaluating cumulative and interconnected risks
- ✓ Establishing risk priorities for operational management



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Course Outline

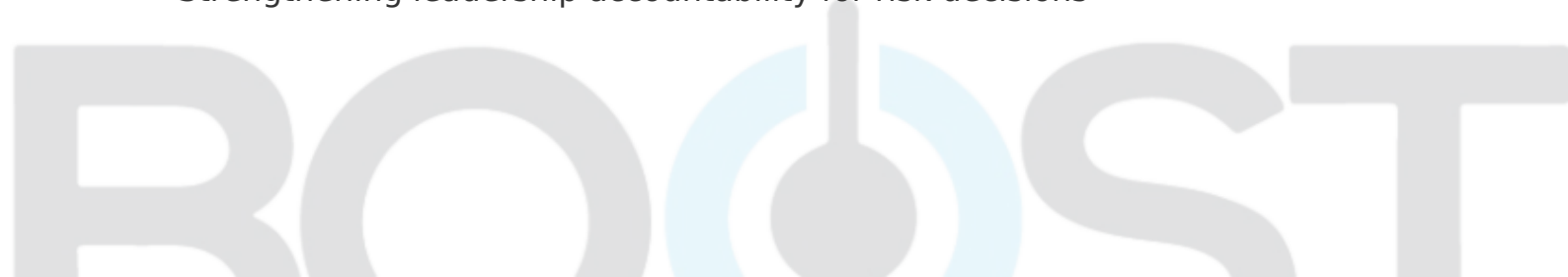
✓ DAY 02

Critical Controls and Risk-Based Operations

- ✓ Critical Risk Controls
- ✓ Identifying controls for high-consequence events
- ✓ Distinguishing preventive and mitigative controls
- ✓ Establishing control ownership and responsibilities
- ✓ Assessing control effectiveness
- ✓ Identifying control degradation and vulnerabilities
- ✓ Strengthening assurance over critical controls

Risk-Based Operational Decision-Making

- ✓ Integrating risk information into operational decisions
- ✓ Balancing operational objectives with HSSE requirements
- ✓ Managing risk under changing operating conditions
- ✓ Applying escalation principles for significant risks
- ✓ Making decisions when risk information is incomplete
- ✓ Strengthening leadership accountability for risk decisions



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Course Outline

✓ Day 03

Emergency Preparedness and Incident Response

- ✓ Emergency Preparedness and Readiness
- ✓ Identifying credible emergency scenarios
- ✓ Establishing emergency preparedness requirements
- ✓ Defining response roles and responsibilities
- ✓ Developing emergency communication arrangements
- ✓ Coordinating internal and external response resources
- ✓ Assessing organizational readiness for major events

Incident Response and Crisis Coordination

- ✓ Establishing priorities during significant incidents
- ✓ Coordinating operational and emergency response teams
- ✓ Managing information during rapidly developing events
- ✓ Supporting leadership decisions during crises
- ✓ Maintaining critical operations during emergency conditions
- ✓ Transitioning from immediate response to recovery



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Course Outline

✓ Day 04

Operational Resilience and Disruption Management

- ✓ Operational Resilience Frameworks
- ✓ Understanding the principles of operational resilience
- ✓ Identifying critical operational activities
- ✓ Assessing dependencies and single points of failure
- ✓ Understanding disruption scenarios and operational impacts
- ✓ Establishing resilience requirements for critical operations
- ✓ Integrating resilience into operational risk management

Disruption Response and Recovery

- ✓ Developing response strategies for operational disruption
- ✓ Prioritizing critical activities during constrained conditions
- ✓ Allocating resources during disruption
- ✓ Establishing recovery priorities and dependencies
- ✓ Coordinating restoration of critical operations
- ✓ Managing the transition from disruption to stable operations



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Course Outline

✓ Day 05

HSSE Assurance and Resilience Leadership

- ✓ HSSE Assurance and Organizational Readiness
- ✓ Establishing assurance approaches for significant HSSE risks
- ✓ Evaluating the effectiveness of critical risk controls
- ✓ Identifying gaps in organizational preparedness
- ✓ Strengthening management visibility of high-consequence risks
- ✓ Connecting assurance findings with operational decisions
- ✓ Maintaining readiness for changing risk conditions

Resilience Governance and Strategic Preparedness

- ✓ Establishing governance for operational resilience
- ✓ Defining leadership responsibilities for organizational readiness
- ✓ Integrating HSSE, risk, emergency, and resilience functions
- ✓ Establishing resilience priorities across critical operations
- ✓ Strengthening organizational capability to absorb and recover from disruption
- ✓ Building a sustainable resilience approach aligned with operational priorities



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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Nov. 8, 2026	Nov. 12, 2026	5 days	4250.00 \$	KSA , Riyadh
Oct. 10, 2027	Oct. 14, 2027	5 days	4250.00 \$	KSA , Riyadh

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