Task Risk Assessment: Modern Proactive Incident Prevention Training Course

3 – 7 May 2027
Singapore

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Ref: 1286_195095 **Date:** 3 – 7 May 2027 **Location:** Singapore **Fees:** 5700 Euro

Overview

Task Risk Assessment: Modern Proactive Approach to Incident Prevention is a one-week course for safety and operations professionals who leave with a Task Risk Control and Verification Pack. Participants analyze work steps, energy sources, exposure pathways, human factors, changing conditions, and critical controls before and during execution. The course closes the gap between completed forms and reliable field control through worker dialogue, dynamic reassessment, and verification practice. Agile Leaders Training Center presents task risk assessment as a field-based incident prevention discipline.

Who Should Attend

- Functions responsible for task-level hazard identification and risk-control quality
- Teams supervising maintenance, construction, production, and non-routine work
- Functions managing permits, pre-job planning, and operational coordination
- Teams verifying critical controls and safe systems of work in the field
- Functions reviewing near misses, weak signals, and assessment effectiveness

The course assumes participants already supervise operational work or safety controls and leaves out introductory safety terminology and specialist process-hazard modeling.

Departments and Industries

The course supports departments and industries that plan, authorize, execute, or assure safety-critical tasks.

- Occupational safety, operations, and maintenance functions
- Engineering, contractor management, and permit-control teams
- Internal assurance and operational excellence functions
- Energy, utilities, construction, and infrastructure organizations
- Manufacturing, logistics, warehousing, and transport organizations
- Healthcare facilities and public-service operations

Learning Objectives

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

- Analyze tasks into observable steps, interfaces, and exposure pathways
- Apply hazard prompts and energy-source mapping to non-routine work
- Evaluate risk criteria and prioritize controls through the hierarchy of controls
- Diagnose human-factor and changing-condition weaknesses
- Build critical-control standards and field verification questions
- Use weak signals and review evidence to improve task assessments

Course Agenda

Day 1: Task Structure and Hazard Discovery

- Task Selection and Priority Screen
- Job Step Decomposition Method
- Worker-Task-Tools-Environment Map
- Energy Source and Exposure Pathway Diagram
- Hazard Description Trigger-Consequence Format

Day 2: Risk Evaluation and Control Design

- Task Risk Criteria Calibration Matrix
- Existing-Control Adequacy Test
- Hierarchy of Controls Selection Ladder
- Critical Control Performance Standard
- Residual Risk and Authorization Rule

Day 3: Human Factors and Dynamic Conditions

- Safety-Critical Task Human Factors Lens
- Error-Likely Situation Prompt Card
- Change and Deviation Recognition Checklist
- Dynamic Risk Reassessment Trigger Set
- Stop-Work and Escalation Decision Path

Day 4: Work Interfaces and Verification

- Permit-to-Work and Assessment Interface Map
- Pre-Task Briefing Conversation Guide
- Simultaneous Operations Conflict Screen
- Critical Control Field Verification Sheet
- Weak-Signal and Near-Miss Review Loop

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Day 5: Task Risk Assessment Practice

- Exercise: Task Decomposition and Hazard Mapping
- Exercise: Control Selection and Residual Risk Challenge
- Exercise: Dynamic Change Response Simulation
- Exercise: Field Verification and Worker Dialogue
- Capstone Exercise: Task Risk Control and Verification Pack

Practical Exercises

The course uses suggested activities that connect task planning, worker knowledge, control decisions, and field evidence.

- Suggested activity: map energy sources and exposure pathways for an equipment-maintenance task.
- Suggested activity: test critical controls for a contractor lifting operation.
- Suggested activity: reassess a logistics task after conditions and interfaces change.
- Suggested activity: conduct a field verification conversation and record corrective actions.

FAQs

Who suits advanced task risk assessment training?

Advanced task risk assessment training suits experienced safety, engineering, operations, and supervisory professionals who already manage work controls, permits, or field execution.

How does task risk assessment differ from general workplace risk assessment?

Task risk assessment examines the steps, hazards, exposures, conditions, and controls of a specific job, while general workplace risk assessment addresses broader activities, locations, groups, and recurring organizational risks.

How does job hazard analysis support incident prevention?

Job hazard analysis supports incident prevention by separating work into observable steps, anticipating what can cause harm, involving workers, and selecting controls before the task starts.

When should a dynamic task risk assessment be repeated?

A dynamic task risk assessment should be repeated when conditions, people, equipment, interfaces, sequence, or controls change, or when field evidence shows that assumptions no longer hold.

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What makes critical control verification effective?

Critical control verification is effective when performance requirements are specific, evidence can be observed, responsible people know the questions to ask, and deficiencies trigger action before exposure continues.

Conclusion

The course integrates task decomposition, hazard discovery, risk criteria, control design, human factors, dynamic reassessment, work interfaces, and verification. Participants take back a Task Risk Control and Verification Pack containing maps, matrices, prompts, standards, checklists, and review tools. The pack improves how teams translate task knowledge into observable controls and preventive field decisions.