Loss Control Management: Loss Causation, Accident Costs and Prevention Programmes

3 – 7 May 2027
Dubai - Five-star CBD venue



Loss Control Management: Loss Causation, Accident Costs and Prevention Programmes

Ref: 851_20604 **Date:** 3 – 7 May 2027 **Location:** Dubai - Five-star CBD venue **Fees:** 21450 SAR

Introduction:

Many organisations count lost-time injuries yet never see the far larger drain of property damage, equipment breakdowns, production delays and uninsured accident costs. Loss control management treats every downgrading event, from a near miss to a fire, as a symptom of weak management control. This Core Concept course trains HSE managers, supervisors and risk staff to trace losses through the loss causation model, put a price on direct and hidden accident costs, and run the programme elements that cut them. Participants build a Loss Control Programme and Cost-of-Loss Analysis for a case site.

Course Objectives:

- Trace injury, damage and downtime events through the loss causation sequence from lack of control to loss
- Interpret accident ratio studies to decide where near-miss and property-damage data should direct attention
- Calculate the direct, insured and hidden costs of accidents, including property damage and business interruption
- Set standards for the core loss control programme elements, from leadership and task analysis to purchasing controls
- Select leading and lagging loss indicators and rate programme maturity against defined element criteria
- Present a costed business case and Loss Control Programme for a case site to senior management

Target Audience:

- HSE managers accountable for injury, damage and downtime performance across one or more sites
- Operations and maintenance supervisors who control the work practices and equipment where losses start
- Risk and insurance staff who handle claims, deductibles and loss data for the organisation
- Facility and asset managers responsible for property damage prevention and business continuity
- Safety committee leads who review incident trends and recommend spending on controls

Course Outline:

Day 1: Loss Control Principles and the Cost of Accidents

- Loss Control Versus Injury Prevention: People, Property, Process and Environment Losses
- Bird Loss Causation Model: Lack of Control, Basic Causes, Immediate Causes, Incident and Loss
- Heinrich Triangle and Bird 1-10-30-600 Accident Ratio Interpretation
- Accident Cost Iceberg: Insured Versus Uninsured Cost Categories
- Site Loss Exposure Profile and Current-State Loss Record Review

Day 2: Causation Models and Loss Control Programme Elements

- Reason Swiss Cheese Model: Latent Conditions and Active Failures in Loss Events
- Personal Factors and Job Factors Checklist for Basic Cause Analysis
- Substandard Acts and Substandard Conditions Classification Sheet
- Loss Control Programme Element Map: Leadership, Rules, PPE, Health and Communication
- Management Control Standards: Identify Work, Set Standards, Measure, Evaluate and Correct

Day 3: Running the Programme Elements Day to Day

- Critical Task Inventory and Job Task Analysis Worksheet
- Planned General and Critical-Parts Inspection Schedule for Loss Exposures
- Near-Miss and Property-Damage Reporting Form and Triage Rules
- Loss Incident Investigation Using the SCAT Causal Chain
- Purchasing Controls and Engineering Controls for New Equipment, Materials and Contractors

Day 4: Measuring, Rating and Financing Loss

- Leading and Lagging Loss Indicators: Frequency, Severity and Damage Cost Rates
- Loss Control Programme Rating Scale and Element Scoring Protocol
- Business Interruption and Property Damage Cost Estimation Worksheet
- Emergency Preparedness and Fire Loss Limitation Planning
- Risk Financing Options: Retention, Deductibles and Insurance Transfer Basics

Day 5: Case Site Loss Control Programme and Cost-of-Loss Analysis

- Case Site Brief: Manufacturing Plant, Warehouse and Fleet Loss History
- Cost-of-Loss Calculation From the Case Incident Register
- Element Gap Scoring and Priority Control Selection for the Case Site
- Business Case With Payback and Avoided-Loss Estimates
- Loss Control Programme Presentation to a Mock Management Review Board

Skills You Will Gain:

- Loss Causation Analysis
- Accident Cost Estimation
- Near-Miss Data Interpretation
- Critical Task Analysis
- Loss Programme Element Design
- Loss Indicator Selection
- Programme Maturity Rating
- Safety Investment Justification

Why Attend This Course:

- Leave with a Loss Control Programme and Cost-of-Loss Analysis for a case site that can be adapted to your own operation
- Show managers the hidden cost behind each injury, damage event and production stoppage in figures they recognise
- Turn near-miss and property-damage reports into a steady source of early warnings rather than paperwork
- Compare loss experience with peers from manufacturing, logistics, utilities, construction and facilities management

Conclusion:

Losses shrink when management treats every damage event, near miss and injury as evidence of a control gap and prices it accordingly. The course moves from loss causation and accident ratios, through the cost iceberg and programme elements, to critical task analysis, planned inspections, damage reporting and investigation, then to indicators, programme rating and risk financing. The final day applies these methods to a case site and produces a Loss Control Programme and Cost-of-Loss Analysis ready for management approval.