KOENIG SOLUTIONS · COURSE OUTLINE

Safety Leadership: Bradley Curve & Bow Tie Analysis

Learn to analyse accident causation, safety leadership and organisational risk using the Bradley Curve and Bow Tie analysis.

5 Days	5	30
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course examines accident and incident causation, including human factors, safety culture and the Bradley Curve, together with the New ABC Model of behavioural and cognitive psychology. It covers safety management in major hazard industries, including ISO31000, fault and event tree analysis, bow tie analysis, emergency response planning, and inspection and auditing. It addresses leadership and communication skills, including self-awareness, stakeholder engagement and adapting leadership to different scenarios. It closes with advanced accident investigation and reporting methodology, and with organisational and environmental risk, threat and impact management against international resilience standards.

WHO THIS COURSE IS FOR

Safety Leaders | **HSE Team Leaders** | **Risk Managers** | **Accident Investigators** | **Safety Officers** | **Crisis Management Professionals**

LEARNING OBJECTIVES

- Explain accident causation factors and human behaviour influences
- Apply the Bradley Curve to assess safety mind-sets
- Describe the New ABC Model of behavioural and cognitive psychology
- Analyse major hazards using fault tree and event tree analysis
- Construct bow tie diagrams for risk barrier analysis
- Plan emergency response and mutual aid arrangements
- Develop leadership and communication strategies for safety culture
- Conduct advanced accident investigations and write persuasive reports

COURSE SYLLABUS

5 Modules, 30 Topics

DAY 1

01

Accident & Incident Causation Factors

TOPICS

- The analysis of accidents – looking at the facts, figures & costs
- Why do accidents still occur? - human factors, triggers and consequences
- Conscious and unconscious influences within a safety culture
- The Bradley Curve and four stages of mind-sets
- **The 'New ABC Model:** ' effective, behavioural and cognitive psychology
- Understand the psychology behind human behaviour and learn how to apply pragmatic solutions to improve your SMS

DAY 2

02

Safety Management in Major Hazard Industries

TOPICS

- Major hazards and prevention
- ISO31000 and safety excellence
- Occupational safety, process safety and asset risk management
- FTA and ETA
- Bow ties
- Emergency response plans, mutual aid, on and off site consequences
- Inspection and auditing

DAY 3

03

Improve Leadership and Communication Skills

TOPICS

- Enhancing your leadership capabilities through increased self-awareness
- Analyse your communication strategies and social performance
- Communication campaigns and stakeholder engagement
- **'Have to' or 'want to':** generating real desire for safety
- Varying leadership skills for varying scenarios

DAY 4

04

Advanced Accident Investigation and Reporting

TOPICS

- All incidents (including near misses) are thoroughly and professionally investigated by a trained and confident team
- Role of HSE team leader and management during an investigation
- Investigation methodology - the essential checklist & process
- Look. Listen and learn and learn to look and listen more!
- Report writing techniques which will 'persuade' and 'empower' actions

DAY 5

05

Organisational & Environmental Risk, Threat & Impact

TOPICS

- **Latest international standards:** BSI65000, BS11200, ISO31000 / 22301 / 24762
- Understanding the impact of change or major incidents on the organisation
- Strategic crisis and emergency management in a resilience framework
- Strategic risk and risk behaviour
- Identify and manage current and future threats to your business
- Take a proactive approach to minimizing the impact of incidents
- Keep critical functions up and running during times of change and crises

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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