



## AN INTRODUCTION TO INVESTIGATIONS AND ROOT CAUSE ANALYSIS COURSE

### Learning Objectives

This course aims to introduce participants to:

- The value of conducting effective investigations within a management system.
- An approach to effective incident investigation.
- Performing effective root cause analysis.
- Implementing a safety culture.
- Risk-Based thinking as a preventive tool.

### Who should take this course?

- Personnel involved in the conduct of incident investigations and prevention.
- Those responsible for implementation and maintenance of safety standards.
- Top Management.
- Problem-solving / Issue Resolution team members.

### The Lectures Include:

- An Introduction to systems to manage risks.
- An introduction to Investigations to include types of incidents, their potential causes, initial response to an incident, preserving the scene, capturing evidence, interviews, data analysis, and identification of root causes.
- Accident Causation Model: Indirect, Direct and Root Causes of Incident.
- The human factor and 'deadly dozen' in safety.
- Reporting the Investigation.
- Root Cause Analysis and Corrective Action.
- Building an effective Safety Culture as a preventive tool.

### The workshops include:

- Conduct of an investigation.
- Root Cause Analysis of an Incident.

### Duration

2 Days



## CLASS AGENDA

### DAY 1

08:00	08:15	1. Introduction to Investigation
08:15	10:15	2. Lecture: Intro to Management Systems
10:15	10:30	Break
10:30	12:00	3. Lecture: Accident Investigation
12:00	13:00	Lunch
13:00	14:00	3. Lecture: Accident Investigation (continued)
14:00	15:30	4. Workshop: Investigation Scenario 1 Part 1
15:30	15:45	Break
15:45	17:00	5. Workshop: Investigation Scenario 2 Part 1

### DAY 2

08:00	08:15	5. Workshop: Investigation Scenario 2 Part 1 (continued)
08:15	09:45	6. Lecture: Implementing an Effective Safety Culture
09:45	10:00	Break
10:00	12:00	7. Lecture: Team-based Problem Solving
12:00	13:00	Lunch
13:00	14:00	7. Lecture: Team-based Problem Solving (continued)
14:00	15:00	8. Workshop: Investigation Scenario 1 Part 2
15:00	15:15	Break
15:15	16:15	9. Workshop: Investigation Scenario 2 Part 2
16:15	17:00	Workshop Wrap Up // Q&A

### Certification

Attendees successfully completing the examinations provided in conjunction with this course receive a Certificate of Participation for the number of hours completed.

***“The only bad nonconformity is the one, you do not know about”- DR. IJ***

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