
TRAINING COURSE

Human factors and incident investigation

This one day training course will equip delegates with a toolkit to enable them to carry out incident investigations using real case studies from the process industries.

28th November 2019 - Teesside, ABB Office



Human factors and incident investigation

This training course will equip delegates with a toolkit to enable them to carry out incident investigations using real case studies from the process industries.

The course focuses on human error as a cause of incidents, how human factors can be addressed during incident investigation and the cause tree analysis technique

What the course will cover

Session 1 - Incident causation

The benefits of good incident investigation are reviewed and the domino theory of incident investigation is explained as the basis for structured cause analysis.

Session 2 - Human error and incident investigation

The SRK human error model is developed from practical process industry examples and then an exercise is used to test understanding and consider the difficulties of addressing human error using a real process incident. This is followed by consideration of the way that corrective actions can be developed according to the types of errors that are encountered.

Session 3 - The incident investigation process

The basic investigation process - from evidence collection to corrective action development - is reviewed, including good practice for evidence collection and witness interviews.

Session 4 - Cause tree analysis

The technique of cause tree analysis is explained and a number of real examples, of increasing complexity, are reviewed to point out the key facets and good practice.

Session 5 - Cause tree analysis exercise

A syndicate exercise, based on a real incident, is used to enable delegates to work in teams constructing a cause tree. A significant amount of time is allocated to enable delegates to explore the challenges of using the technique. Learning from delegates' experiences is then shared.

Who should attend

This course has a high practical input of tools and techniques and is aimed at those required to conduct or participate in incident investigations, including safety professionals, supervisors and plant managers. The course is applicable to all types of industrial incident.

Price

£650 + VAT

Course tutor

Robert Fogg is a safety consultant and chartered chemical engineer with over 20 years of industrial experience. He provides PSM services including: hazard studies, Safety Integrity Level (SIL) determination studies, COMAH safety reports, and PSM support.

Rob's experience includes management of change, project planning and coordination, hazard management and operator training.

Course agenda*

09:00	Registration
09:30	Introduction
09:35	Purpose of incident investigation
09:45	Incident causation
10:00	Human error and incident investigation
10:30	Break and syndicate exercise
11:30	The incident investigation process and cause analysis
12:00	Lunch
12:45	The cause tree analysis technique
13:15	Cause tree analysis case study
14:00	Break
14:15	Syndicate exercise based on real incident
15:15	Feedback and discussion
15:45	Review
16:15	Close

*ABB reserve the right to amend the course agenda.

How to book

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