RelyOn

ISPMX0029

Root Cause Analysis

Duration	1.5 Days
Target group	Operative Supervisors, Safety Supervisors, Department Chief, QHSE Coordinator, Accident Incident Investigation
Prerequisites	Not applicable.
Objective	At the end of the course, the delegate may: Identify and evaluate the conditions and circumstances when an incident or accident occurs, protect and collect and preserve the relevant and necessary information of the scenario, conduct interviews with related personnel, prepare the chain of reports in a timely manner for all authorities involved , develop the investigation of the event according to the Root Cause Analysis methodology, present the corresponding report and plan and execute the follow-up until the closing.

Contents	The following topics will be covered during the course:
	· Introduction
	· General Definitions.
	· Legal framework.
	· Basic principles.
	· Security Model.
	  - Control measures.
	  - Mitigation measures.
	· Classification of Faults.
	· Chronic failure.
	  - Sporadic failure.
	· Research Procedure.
	  - Preliminary Evaluation of the Scenario.
	  - Compilation of Source Information.
	  - Methodological Analysis of the Event.
	  - (Root Cause Analysis).
	  - Formulation of Investigation Report.
	· Criteria to evaluate Incident and Accident scenarios.
	· Types of source information.
	· Root Cause Analysis Methodology.
	· Use of Fault Tree for the identification of the Root Cause.
	· Classification of Root Cause.
	· Recognition of other methodologies.
	· Integration of the Research Group.
	  - Line of command and Administration.
	  - Witnesses
	  - Experts
	· Execution of Report and Recommendation.
	· Monitoring and Audit of Recommendation.
	· Review of practical cases.
	· Execution of Fault Tree.
	· Observation and Analysis of Real Practical Investigations.
	· Review of the practical collection of source information.
	· Workshop of elaboration of Tree of Faults.
	· Practical review of root causes determined by Fault Tree.
	· Development of efficient recommendations for the elimination of Root

Causes.
· Follow-up strategies and audit of corrective actions and recommendations made.
· Conclusions

Exam   Root Cause Fault Tree Workshop