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Duration:

1 day

Teaching methods

Presentations with illustrated practical cases
Lunch meeting with the speaker

Prerequisites

Equivalent profile as engineer, in technical or in scientific education

For whom

Project Managers, Design Offices, Methods, R & D, Quality

Lecturer/Trainer

Expert and / or specialist

Assessment methods

Assessment sheet and self-assessment given at the end of training

Sites

PARIS / LYON / MONTREAL

Intra-company sessions on request

Contact us

For more information
Phone : 438-558-1395
formation@sector-group.net

Root-cause analysis

Principles and methods

Objectives

The objectives of this training are to enable a pragmatic implementation of a root-cause analysis by :
- Reminding the objectives and context of this method
- Describing the main steps of the implementation and the conditions for success
- Putting into practice a cause tree analysis as a participant or a project manager

Program

The root-cause analysis methodology was initially developed by the National Institute for Safety Research (INRS). This analysis helps HSWCC (Health, Safety and Working Conditions Committee) members to identify the proven causes of workplace accidents and propose measures to reduce the risk of this type of accident. The root-cause analysis is now used as a powerful feedback analysis for different types of accident or incident. It is also an excellent way to take the human factor into consideration to improve the safety.

Goals of the method
- Context of its development
- Links with the other safety analysis and the risk control.

Presentation of the method
- Sequencing of phases and tasks
- Information to be gathered - Conditions for success
- Graphic supports - Tree construction

Exploitation of the Root-cause analysis
- Qualitative and statistics processing
- Consideration of the management and human factors
- Synthesis: suggestions for risk reduction measures, mitigations measures, sustainability and capitalization

Deepening of the knowledge and putting into practical
Animation by participants of a second example from a concrete case in an industrial plant.

Risk management and dependability: methods and implementation