



## Cause Analysis Training

### 2-Day Root Cause Analysis Fundamentals

Learn from instructors with extensive real-life experience across multiple industries the fundamental proven cause analysis techniques and best problem-solving practices. This course consists of instruction and practical exercises designed to provide students with basic concepts and practical instruction in conducting basic cause analyses or structured problem solving.

#### Benefits:

- Improved performance by enhancing the ability of the organization to learn from equipment, human performance, program, and organizational failures
- Cost avoidance and improved organizational resilience by providing staff with the tools and practices to learn from problems and failures before they become consequential.

#### Who Should Attend:

- Personnel who are tasked with solving important equipment, human performance, and organizational issues
- Leaders and staff who develop, implement, mentor, or provide oversight for continuous learning and performance improvement programs
- Corrective Action Program leaders and staff
- Oversight and Quality Assurance Personnel

#### Class Description:

**Task of Cause Analysis** - includes an overview of the Cause Analysis task, process flow and timeline, attributes of effective causal analysis, and the importance of the right mindset when evaluating events.



**Fundamental Principles** - includes a basic overview of how events occur, the concept of barriers and defense-in-depth, organizing and collecting information, problem definition and Problem Statement development, discussion of analysis terms, analysis tools, and appropriate depth for Lower Level Analysis, corrective action development and prioritization, and report writing.

**Equipment Failure Evaluation (EFE)** - includes fundamental concepts used for equipment failure evaluation, including fault tree analysis, failure modes and effects analysis, and the Prevent-Detect-Correct (P-D-C) Model of equipment reliability.

**Human Performance, Programmatic, and Organizational Analysis** - includes basic human performance definitions and theory, evaluating human performance errors and violations, and fundamentals of evaluating programmatic and organizational issues.

**Final Exercise** - that will help students put all the concepts together by applying them to a real-world event.

The maximum class size is limited to 14 students to ensure individualized attention during classroom instruction and exercises.