

Latent Cause Analysis

The Evolution of Root Cause Analysis



⦿ Duration/Dates of Course

Refer to www.failsafe-network.com, on-line courses, public or in-house guest needs.

⦿ Overview

Failsafe Network's Latent Cause Analysis™ 'LCA' is an evolved root cause analysis 'RCA' method born in the chemical industry in the mid 1970's. Initial methods focused on understanding the physics of problems. Over time, it became apparent that people are ultimately responsible for the things they create, whether it is equipment, process, or systems related. While parts of this investigative method continued to address the "physics" of problems, the Latent Cause Analysis™ 'LCA' approach was developed to go beyond the physics and required people to see themselves as part of their work or life related problems.

Since what is offered is basic to life itself, LCA can even be used by individuals in all walks of life. LCA also does not depend on software, elaborate training or advanced education, but attempts to help people get in touch with the truths they once knew, and perhaps forgot. Once people "remember" these truths they are with them forever.

⦿ Targeted Participants

Any person or organization looking to change their culture through changing the way people think, can routinely host this seminar at their sites year after year.

⦿ Purpose

For people to go beyond the physics within investigative analysis methods and see themselves as part of their work or life related problems.

⦿ Goals and Objectives

- Time-proven LCA techniques that enable individuals or organizations to come to grips with quality, health, safety, equipment and environmental related 'People' problems.
- A stand-alone analysis method that can be used by individuals or organizations on large, medium, or small events, or with any other root cause analysis method.
- For Failsafe's Latent Cause Analysis™ process to be uniquely applied within any suited industrial, engineering and/or manufacturing businesses to 'Change People'.

⦿ Course Take Away

- Courses offer highly interactive, engaging sessions to change the way you think about the causes of personal or work related "failures".

“ *As one of our partners said,*

We have found that our approach is so different from the piles of sameness that are everywhere that you must see it for yourself. ”

Course Details

Latent Cause Analysis



Day 1

Morning

What is latent cause analysis (LCA)?

- Introduction to the class
- Breakout session: Introductions to one another
- What is Latent Cause Analysis 'LCA'
- The Basics of the LCA Model

Afternoon

Case Study: The challenger explosion

- The dramatic failure
- Everything must be based on evidence
- The WHY Tree™
- Physical and Human causes
- Latent Causes (putting yourself in their shoes)

Inculcate

- **The ultimate objective of LCA:**
Ingrain a Latent Cause Mentality within everyone.
- Unresolved small problems cause bigger problems
- The Mother-Source Concept
- Criteria for being a Mother-Source Member
- The Organizational Structure of the Mother-Source Setting Thresholds
- In summary: abandon the old way for a new and superior way

Review and homework assignment

Day 2

Morning - Review of day 1

Introducing ROOTS, an investigative Discipline

- Explaining the 'ROOTS' Acronym
- ROOTS as applied to all LCAs i.e., Maxi, Midi and Mini LCA's

How to RESPOND?

- The two trains
- Don't just do something – stand there
- What is Evidence?
- The 3 P's: People, Physical and Paper Evidence.
- Breakout session: The Aladnam as Evidence
- The details of Evidence-Freezing
- Gathering the 5 items needed

Afternoon

- The Vector Approach to Evidence Gathering
- Listing of Evidence to be Gathered
- Breaking into three Evidence teams
- Breakout Session: Gather and summarize evidence

Homework Assignment

“After the program, our Front Line Supervisors truly understood their roles, and the influence - positive or negative, they exert...”

Brian Edwards VP of Health, Safety, and Environment
Ledcor Group

“When I first took the Latent Cause Experience, little did I know how much it would change me as a person...”

E H & S Director
Independent Oil & Gas Company

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Day 3

Morning - Review of day 2

How to RESPOND (continued)

- More about evidence gathering
- The Go bag
- Breakout session: Sharing evidence amongst evidence gatherers
- Mini-LCA definition of physical and human causes
- Maxi-LCA definition of physical and human causes

Afternoon

How to ORGANIZE a team of Stakeholders

- The 'Perfect' Principal Investigator
- No pain, no gain
- The Eggshell
- Who needs to be a stakeholder?

How to define the ORDER in the chaos?

- The 1st Stakeholder Meeting - The Evidence Review Meeting.
- Preparing the stakeholders
- The Accountability Contract
- The 2nd Stakeholder Meeting - Definition of physical and human causes and action Items.

Homework Assignment: Web Quiz

“ The Failsafe training model is a tool for life, not just work, it works at home and in your personal life, it is a very effective approach... ”

Jack Pepper Vice President
Trinidad Drilling

Day 4

Morning

How to define the ORDER in the chaos, (continued)

- Quiz, talk, and overnight thoughts
- Introduction to the WHY tree
- The EXPLANATORY WHY tree
- Rules of construction
- WHY tree: Individual practices session
- WHY tree branching and rules

Look at Latent Causes of Failure

- Definition of Latency
- Latent Causes versus System Causes
- The Situation-Filter-Outcome Model
- The 3rd Stakeholder Meeting - Definition of Latent Causes

Afternoon

How to TRANSLATE Your Findings

- Reporting options
- Translations are not reports
- Some example translations
- Breakout session: Develop and present a translation

How to SUSTAIN the Latent Cause Effort in the Workplace

- Why most root cause analysis 'RCA'- type efforts die
- The Mother-source as the sustainer

Closing

- Are you willing to make a difference?
- Participant closing comments

Interested?

Please email us stating your interest in Latent Cause Analysis LCA™ training to: info@failsafe-network.com

For more details on Latent Cause Analysis

check out the web site at: www.failsafe-network.com

Office: +1 540 377 2010

Note: Kingdom Drilling are targeting to be an affiliate training company of Failsafe Network and offering the 'LCA™ Experience' outside the USA from 2016 onwards.