

F-MF008 Root Cause Analysis-Apollo Method

Course dates: TBA @ Dubai, UAE

The Root Cause Analysis Apollo Methodology is a 4-stage procedure that provides an innovative way of thinking and goes far beyond the traditional root cause analysis problem solving processes.

It assists the creation of a common reality, using input from all stakeholders to produce an evidence-based understanding of the problem and ensures your solutions address proven causes and prevents recurrence. It makes problem solving easy and gives those who have been trained the skills to solve real world problems faster, more efficiently and effectively at any time

Why Attend

This intensive course will discuss an overview to effective problem solving and root cause analysis using Root Cause Analysis – Apollo Method. This is a perfect first course in effective problem solving for anyone and a required course for anyone who participates in a Root Cause Analysis. The participant will learn how to apply RCA to both simple systems and complex groups of systems.

Course Objectives

By the end of the course, among various achievements, participants will get specialist insight into:

- Perform an Apollo RCA
- Analyze the issues by identifying the right failure in each step.
- Identify effective solutions to event-based problems
- Prepare the final RCA report
- Effectively communicate RCA findings
- Learn root cause analysis. The delegates will work several instructor-led exercises that build upon each other to learn how to identify causes and to recognize the difference between actions and conditions.
- Be exposed to a new way of thinking about a problem and learn a step by step method to solve any problem the work place can present.

Who should attend?

This course is intended for those whose responsibilities require them to solve organizational problems on their own and individuals with the responsibility for solving organizational problems by leading teams of people. This course is especially

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recommended for, but not limited to, EH&S, reliability, quality and manufacturing professionals and technicians.

Course Outline

Introduction

Problem Solving
 Typical Problem-Solving Practices, Categorical Thinking
 Causes of Ineffective Problem Solving,
 Understanding the Cause and Effect Principle
 Characteristics of Cause and Effect
 Linear Language, Linear Thinking

Understanding the Cause and Effect Principle

Traditional Problem-Solving Strategies
 RCA Methods and Tools Compared
 Solving Problems Effectively Using Apollo Tools
 Effective Problem Solving

Define the Problem

Create an Apollo Cause and Effect Chart
 Identifying Effective Solutions
 Problem-Solving Process
 Solution Criteria
 Creative Solutions
 Implementing Solutions
 Commitment to Continuous Improvement

When To Perform an Analysis

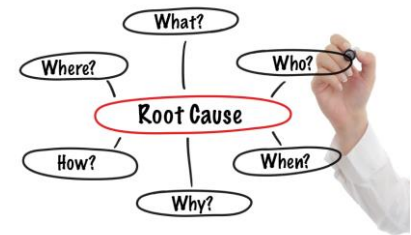
Simple Reporting Scheme
 Identifying Effective Solutions
 Problem-Solving Process
 Solution Criteria
 Creative Solutions
 Implementing Solutions
 Commitment to Continuous Improvement
 Simple Reporting Scheme

Seven Steps to Effective Problem-Solving and Strategies for Personal Success using Reality

Charting Software

Step One: Define the Problem
 Step Two: Determine the Causal Relationships
 Step Three: Provide a Graphical Representation
 Step Four: Provide Evidence
 Step Five: Determine if Causes Are Sufficient and Necessary
 Step Six: Identify Effective Solutions
 Step Seven: Implement and Track Solutions
 Success and Serendipity

Case studies and examples



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The workshop

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures
- 30% Workshops & Work Presentations
- 20% Case Studies & Practical Exercises
- 20% Videos, Software & General Discussions

The course instructor may modify the above training methodology before or during the course for technical reasons with no prior notice to participants

Falcon Consulting Professionals established in Greece for the last 15 years in the areas of technical consulting and professional training for the local industries. **Falcon** is expanding in GCC, aiming to provide the best consulting and training solutions to the industries of the region. **Falcon's instructors are accredited trainers and highly experienced in their fields, as well as adult training.** We aspire to build our business relationships on mutual trust. The achievement of results with an emphasis on innovation and sustainability, quality, cost analysis and time scheduling are non-negotiable from the conceptual phase of the training sessions to their successful closure.



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