PS6384 TAPROOT-EQUIFACTOR/FAILRE ANALYSIS

2 Days
Location: SRTCC
Contact: SRTCC Staff, Paul Mendel, 504-728-1201

Course Overview

New course combines Heinz Bloch’s rotating equipment troubleshooting techniques with TapRooT®'s root cause analysis tools to revolutionize the investigation of equipment problems and improve equipment performance & reliability.

Andy Marquardt (Partner at System Improvements Inc. 'SI') and Heinz Bloch (PE, worldwide recognized expert on equipment reliability, author, & contributing editor to Hydrocarbon Processing) got together to develop an integrated system to troubleshoot equipment failure and find the root causes. They built upon SI's highly successful TapRooT® Root Cause Analysis System and Heinz’s “Seven Cause Category Approach” to machinery failure analysis. They made the process more efficient by developing software to help the analyst troubleshoot the failure. They also developed training to help people better understand the process/tools needed for effective failure analysis. The result? The EquifactorTM Software to analyze machinery failure and the EquifactorTM Equipment Reliability Troubleshooting & TapRooT® Root Cause Analysis Course.

Designed For

If you have pumps, compressors, gas or steam turbines, fans or blowers, motors, or other mechanical equipment that can cause plant outages, cost you big bucks when they fail; and you want to be more confident about the corrective actions you recommend as well as the real root causes of your equipment failures, then this training EquifactorTM and TapRooT® is the ticket.

Prerequisite

Interest in equipment reliability.

Objectives
Separately, Heinz's methods and the TapRooT® System are excellent techniques for troubleshooting equipment & finding root causes. Together they are like a one-two punch to help you knock out your equipment problems faster and more reliably than ever before. How can this help you?

- Less Time Spent Analyzing & Re-Analyzing Failures
- Less Plant Downtime
- Better Failure Analysis Resulting in Less Repeat Failures
- Helps Solve the Human Error Aspects of Equipment Failure
- Less Manpower Spent Re-fixing Equipment
- More Restful Sleep Because You Aren't Worried That the Machinery You Fixed Will Fail Again

**Course Outline**

**DAY 1**

I. Intro & Opening Exercise  
II. Start: What Happened?  
III. Troubleshooting  
IV. Equipment Failure Flowpath  
V. Troubleshooting Techniques  
VI. Root Cause Analysis  
VII. Root Cause Analysis Exercise

**DAY 2**

I. SMARTER Corrective Actions  
II. Corrective Action Examples  
III. Barrier Analysis  
IV. Proactive Approaches  
V. Your Equipment Example (Team Exercise)