

RC 101 Root Cause Analysis

The ability to quickly and accurately identify the true cause of equipment breakdown improves efficiency. Executing permanent corrective actions that prevent equipment failures changes the approach from reactive to proactive. Root cause analysis is a methodology, but it takes more than learning what the tools are to make this successful.

This hands-on workshop will apply root cause analysis to your equipment with your maintenance staff. At the end of this module, your staff will be able apply root cause techniques to investigate and eliminate equipment failures.



About the Instructor



Jeffrey Craig, CMRP, MS
Reliability & Maintenance Professional
Fuss & O'Neill Manufacturing Solutions, LLC

Jeff has more than 20 years of experience in Engineering and Maintenance Management. A natural leader, Jeff has spent his career training both civilians and military personnel in the art of technical and program management. He is an expert in safety program management and has extensive process improvement experience.

As a Reliability and Maintenance Professional for Fuss & O'Neill's Manufacturing Solutions, Jeff works with clients to integrate total process management to improve efficiency, safety, and the bottom line. Jeff is an expert and proponent of TPM (Total Productive Maintenance) and Maintenance Excellence procedures because he has seen, firsthand, the benefits these practices bring. He integrates his practical experience into classes to emphasize real-world applications and to effectively communicate the subject matter. He focuses on individualized client attention and recognizes that an off-the-shelf approach is never an option.

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Drawing on their own experiences, participants are taught problem solving methodologies to help them identify ways to permanently resolve equipment failure. They learn how to study and define problems, gather data, and facilitate investigations that will drive equipment performance at their plants.

- A. What are problems?
- B. How Problems Are Communicated and Defined
- C. Types of Problems and Problem-solving Methods
- D. Process View of Problems
- E. Isolating Problems to Their Process of Origin
- F. Levels of Root Cause Investigation
- G. Data Collection and Analysis Tools to Apply at Each Level of Root Cause Investigation
- H. Confirming Root Causes before Applying Solutions
- I. Three Possible Solutions to Each Root Cause
- J. Getting the Most Out of Root Cause Analysis Investigations

