



Class Location: 40 Patriots Point Rd
Mt Pleasant SC 29464

Root Cause Analysis for Asset Management

with a Focus on Processes and Tools for Immediate Results

DESCRIPTION

This course is designed to teach the attendee how to use a process based approach, as well as some of the most popular and useful problem solving techniques available today.

These objectives are accomplished with a simple set of learning aids that can be used each time Root Cause Analysis (RCA) is applied in your facility. The students will learn each of the tools listed below in a way that adds to their problem solving tool box and not clutters their RCA efforts.

- Change Analysis;
- 5 Whys;
- Fault Tree;
- Logic Tree;
- Sequence of Events;
- Event and Casual Factor Analysis;
- Simplified Failure Modes Analysis (FMA); and
- Failure Modes, Effects, and Criticality Analysis (FMECA).

Class lecture will be reinforced with numerous practice opportunities, so the attendee will be prepared to go back to the job and attack chronic plant problems and incidents right away.

RECOMMENDED AUDIENCE

This course is recommended for Crafts Personnel, First Line Supervisors, Engineers, Managers, and Upper Level Managers or anyone who has a need to solve problems.

YOU WILL LEARN:

- Outline the steps of a successful root cause process;
- Apply tools like Failure Reporting, Analysis, and Corrective Action System (FRACAS) to identify reoccurring issues;
- Define which events should trigger a root cause investigation;
- Describe when to use each RCA tool;
- Build business case thinking into every step of your RCA process;
- Recall how to ensure success and sustainable solutions.

COST: \$1,499 per student **REGISTER AT:** <http://eruditiollc.com/product/ipp-rca/>



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Root Cause Analysis Learning Impact Map

Purpose of Workshop: <ul style="list-style-type: none"> • Identify and eliminate waste through effective Root Cause Analysis (RCA). • Understand the real causes and cost effective solutions. • Implement solutions and sustain results. 		
<h2>LEARNING</h2>		
What will I learn?	What will I do with my training?	What skills will I gain?
<p>Outline the steps of a successful root cause process and incorporate them into your process.</p> <p>Understand how tools like FRACAS can help to identify reoccurring issues.</p> <p>Define which events should trigger a root cause investigation.</p> <p>Explain how to collect good data (evidence) through interviews and investigations.</p> <p>Describe when to use each RCA tool.</p> <p>Discuss how to build business case thinking into every step of your RCA process.</p> <p>List the key aspects of effective solution selection and implementation.</p> <p>Recall how to ensure successful and sustainable solutions.</p>	<p>Develop or refine your existing RCA process.</p> <p>Create failure codes for use within your Computerized Maintenance Management System (CMMS).</p> <p>Apply triggers to ensure the right level of root cause activity.</p> <p>Assess problems in less time with better results.</p> <p>Deploy four different types of RCA.</p> <p>Conclude when and how to investigate and what to implement to get the most return on investment.</p> <p>Solve problems faster and with less cost.</p> <p>Create process steps that ensure follow up and verification of the solution.</p>	<p>Process Mapping Facilitation</p> <p>FRACAS Facilitation</p> <p>Failure Investigation</p> <p>Interviewing</p> <p>RCA Tools Application</p> <p>Business Case Development</p> <p>Change Management and Project Management</p> <p>Metrics Definition, Tracking, and Corrective Actions</p>
IMPACT	Site-Level Objective: <ul style="list-style-type: none"> • Improve CMMS data and data usage. • Reduce the culture of blame. • Implement an RCA process with appropriate triggers and follow up. 	<ul style="list-style-type: none"> • Create a Root Cause Culture. • Reduce frustration. • Improve Maintenance and Operations partnership.
	Business Unit Objective: <ul style="list-style-type: none"> • Solution sharing. • Reduce downtime. • Increase production. • Improve safety performance. 	
	Corporate Objective: <ul style="list-style-type: none"> • Improve business performance. • Increase Shareholder value. 	