



Prelical
Practical Reliability Solutions

Root Cause Analysis Essentials

FIND IT. FIX IT. PREVENT IT.



DISCOVER
Uncover the true cause.



UNDERSTAND
Connect the pieces.



SOLVE
Implement lasting solutions.



PREVENT
Strengthen systems and avoid repeats.

Better Answers. Stronger Solutions. Lasting Results.

 Team-Based
  Evidence-Driven
  Impact-Focused



- ✓ Ask the Right Questions
- ✓ Verify the Facts
- ✓ Identify the Root Cause
- ✓ Take Effective Action





“When we focus on the root, we improve today and protect tomorrow.”

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Practical Reliability Solutions

MEET YOUR INSTRUCTORS

Decades of hands-on reliability experience. Thousands of RCA facilitations and training hours.



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 **Real-World Experience**
 **Practical Insights**
 **Results That Last**

 **Our mission:** Help teams uncover the true causes, implement lasting solutions, and prevent repeat failures.

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Practical Reliability

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LET'S GET TO KNOW EACH OTHER

INTRODUCE YOURSELF

Please share a bit about yourself.



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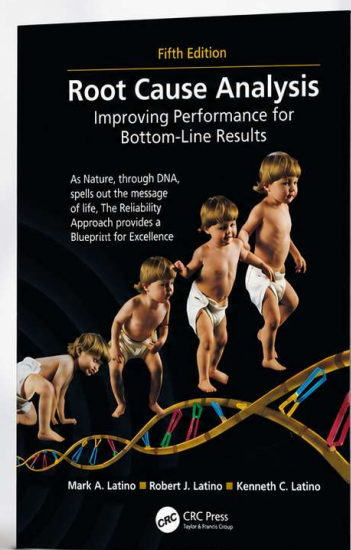
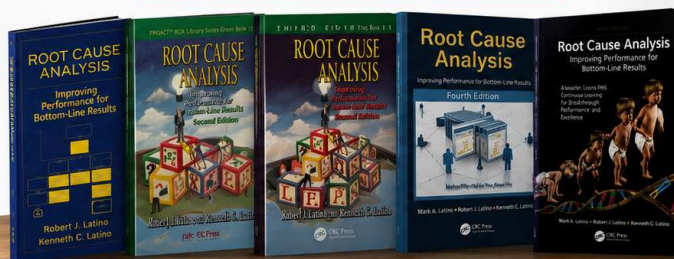
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Your Workshop Manual...

Built on decades of experience. Written by your instructors.

You'll receive the Fifth Edition of our Root Cause Analysis manual—your comprehensive guide and reference during and after the course.

Books Authored by Your Instructors



Your Course Manual



Proven Methods



Practical Solutions



Better Results

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RCA vs RCFA?

Understand the Difference. Drive the Right Results.



RCA

Root Cause Analysis

Takes a broader look at systemic, process, and organizational factors to prevent a class of failures.



Primary Goal
Eliminate systemic issues and improve overall reliability.



RCFA

Root Cause Failure Analysis

Focuses on identifying the root cause of a specific problem or failure event to prevent recurrence.



Primary Goal
Fix the problem and prevent it from happening again.



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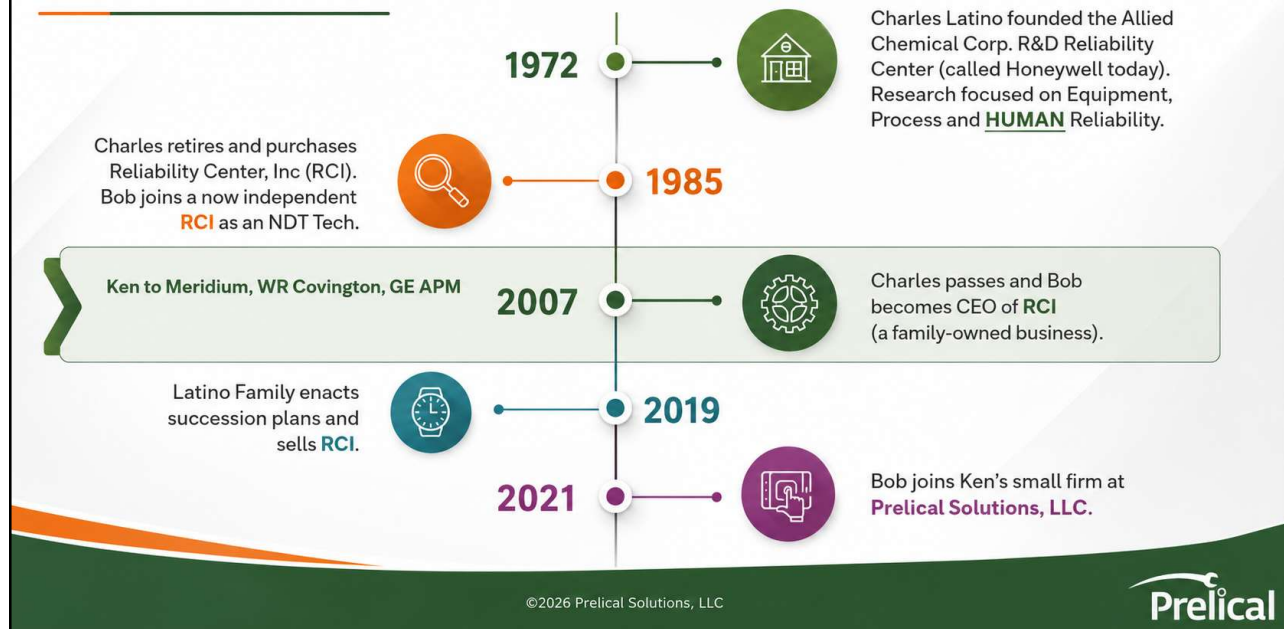
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Coined
**'THE FATHER OF
MANUFACTURING RELIABILITY'**
 IN 1972

• CHARLES J. LATINO •
 1929 - 2007

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Latino Family Career Path



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TEAM EXERCISE



- 7 Thick Stock Pump Locations
- Current MTBF is about 6 months
- Current cost per repair is approximately \$200k
- Can cause machine downtime if repair takes longer than 12 hours
- Machine downtime is approximately \$20k/hr.
- Yearly repair costs typically exceed \$2MM
- Problem has been going on for many years and has been accepted as the cost of doing business



How would you go about trying to solve this problem?

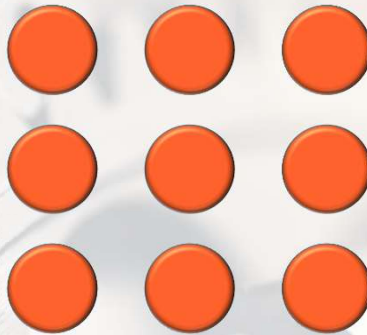
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The 9-Dot Game

Connect all 9 dots using only 4 straight lines. Pen or pencil cannot come off the paper.

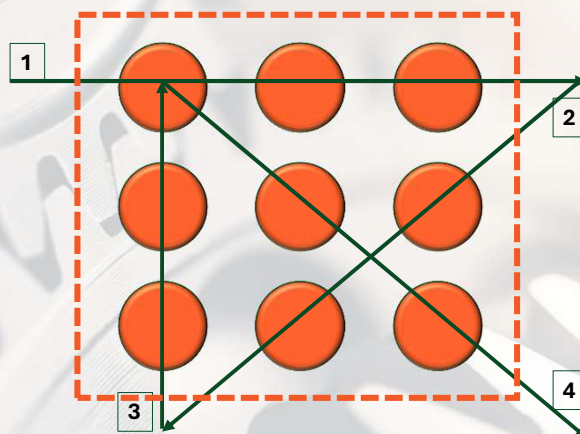


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The 9-Dot Game



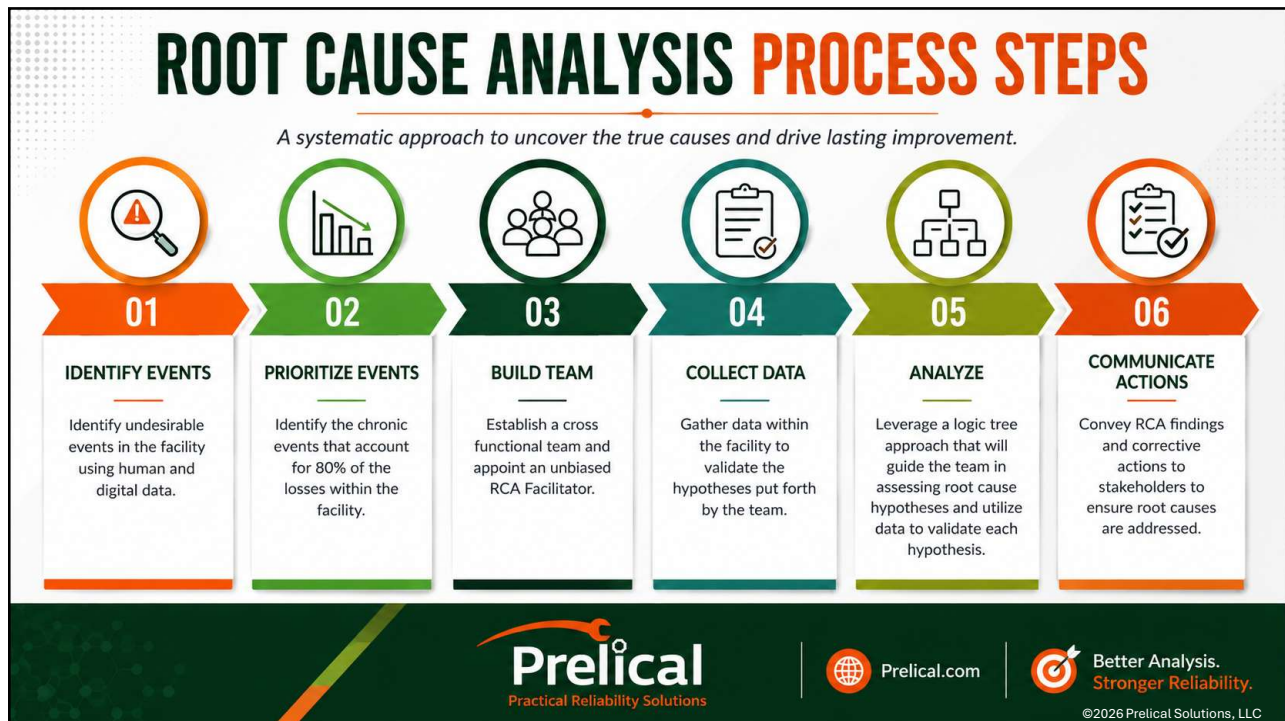
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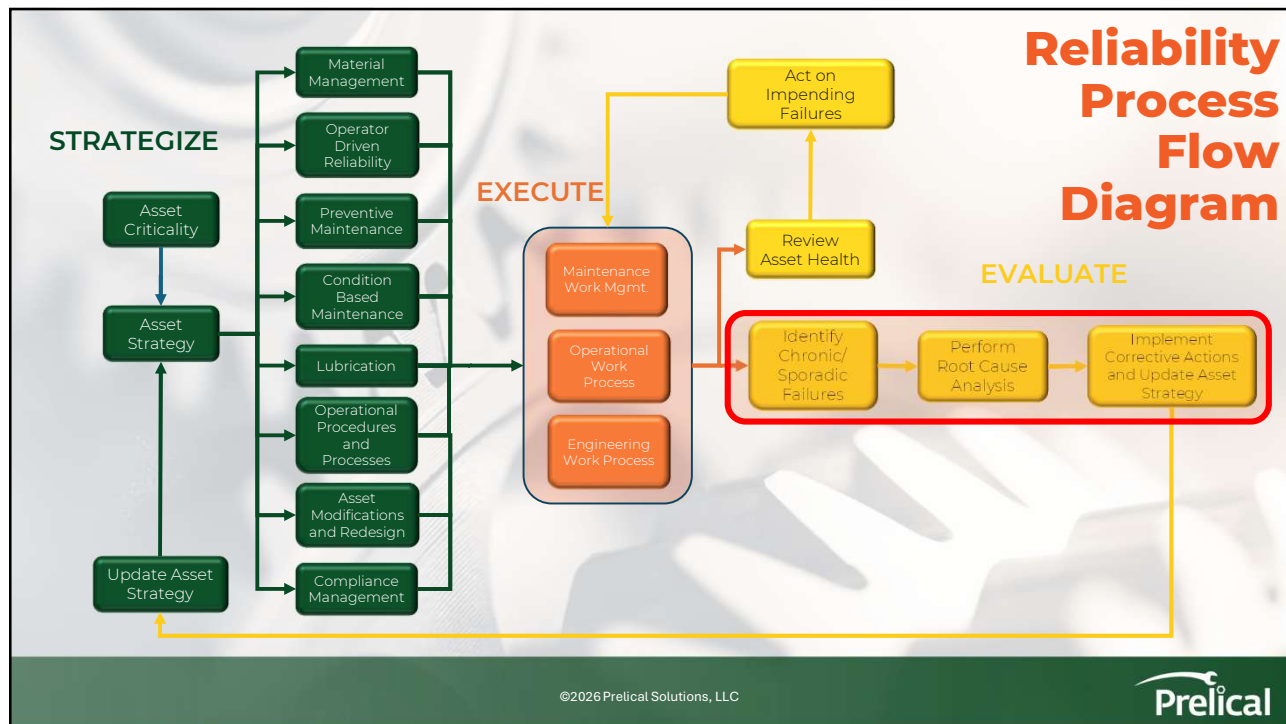
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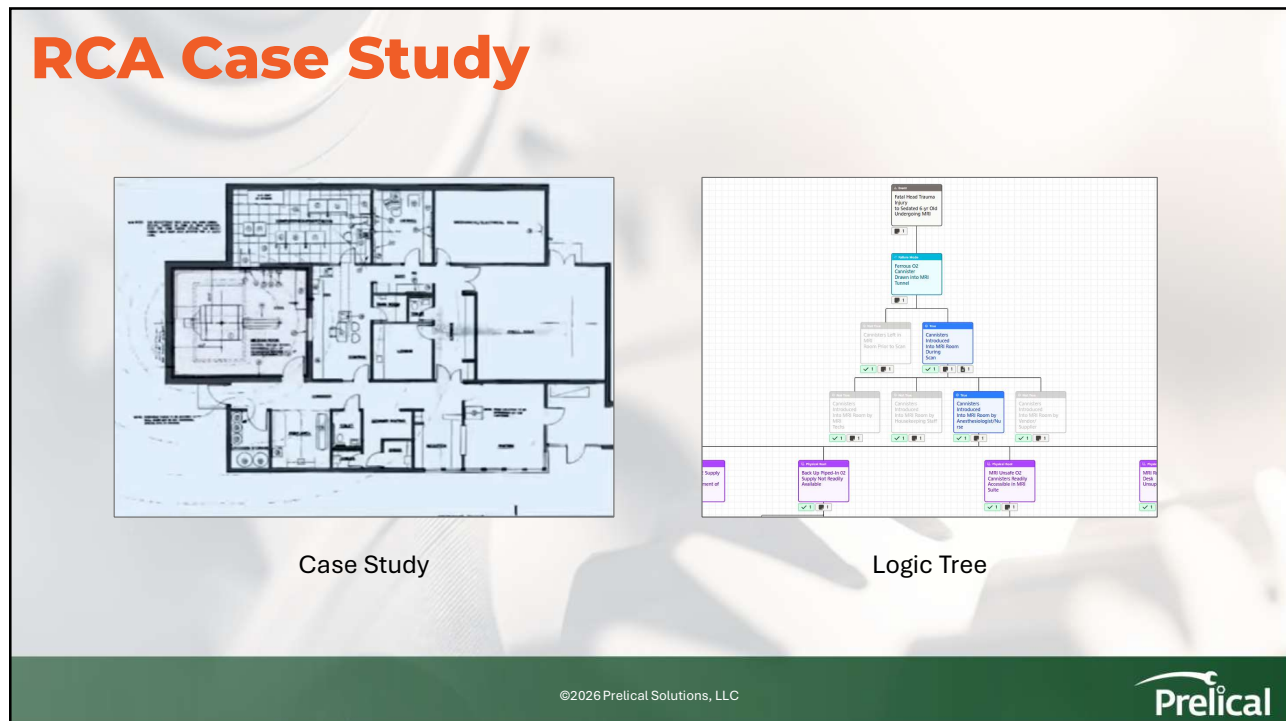
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Good vs. Evil

The Paradox of Proaction vs. Reaction



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