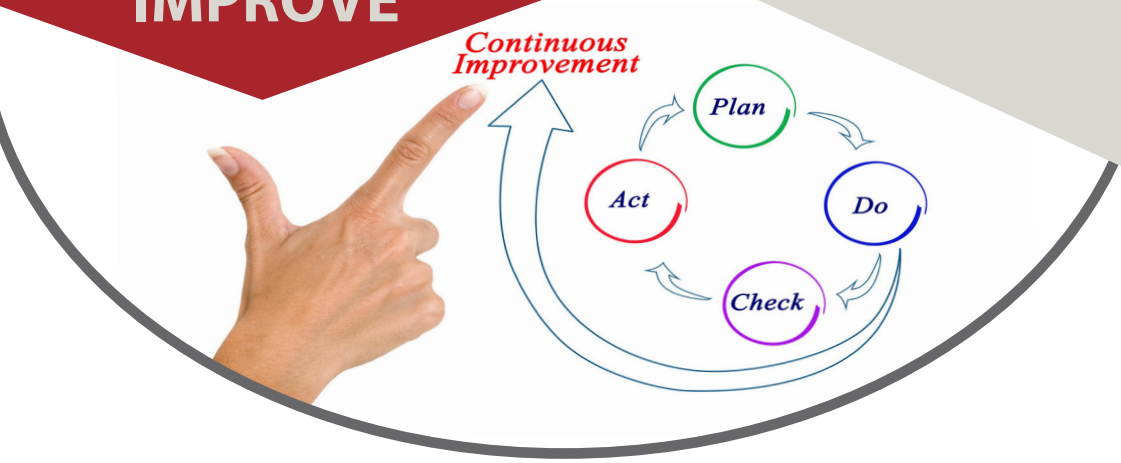
IMPROVE



nwIRC
Driving Impact for Manufacturers

Root Cause Analysis & PDCA Problem-Solving

Overview

Root Cause Analysis (RCA) is a structured approach used to identify the underlying cause of a problem, ensuring effective solutions prevent recurrence. Plan Do Check Act (PDCA) is a continuous improvement practice designed to optimize processes, solve problems, and improve performance effectively using the scientific method.

Learning Targets:

- Introduction to Plan – Do – Check – Act
- Developing Effective Problem Statements
- Creating & Interpreting Check Sheets & Pareto Charts
- Setting Goals
- Performing a Root Cause Analysis: 5 Whys
- Implementing Countermeasures/Check Actions
- Designing Appropriate Poka-Yoke (Mistake Proofing) Solutions

The Lew Davies Community Building
1034 Park Avenue, Meadville PA

May 29, 2025
9:00am-3:00pm
(Lunch is provided)

Cost: $299
(Early bird discount available)

Register at:
www.nwirc.org/events

Instructor:
Shane Cantrell, NWIRC Operational Excellence Specialist

Shane has 15+ years of experience in manufacturing operations management, leadership, and lean transformation. He earned his BS in Industrial & Management Engineering from Montana State University – Bozeman in 2002. In 2006, he earned his Master's in Industrial & Management Engineering from Montana State University – Bozeman.