



Failure Modes & Effects Analysis for Processes (PFMEA)

Workshop for Process Engineering Teams

This training presents current *world best practice in PFMEA*. It offers a unique, logical and effective method to reduce potential for failure and waste by creating validated processes.

Benefits from This Training

- Reduce the incidence of failures and decrease the cost of operating major assets.
- Apply current world best practices for day-to-day process management.
- Save time by performing real work while learning. Team-based sessions maximize real learning, while ensuring that actual results are significantly improved.

Who Should Attend

Teams that are actively planning, restarting, or trouble-shooting an operational process. The workshop method requires teams bring actual projects and related information so FMEA output can be completed under expert guidance during the workshop. The workshop will show how FMEA will improve processes and reduce unplanned stoppages, process failures and, most importantly, unnecessary operational costs and capital expenditures.

Training Objectives

This training program delivers the skills and knowledge needed to understand how things can go wrong—and how to reduce the likelihood of negative consequences. It goes beyond traditional open brainstorming approaches by generating a deep understanding of important process functions. During this training, teams will:

- Discover how to gain insight that can directly improve process up-time and minimize the impact of process failures that lead to customer dissatisfaction
- Learn how to emphasize the prevention of problems at the point of failure instead of “catching them” downstream or during subsequent operations
- See how standard forms guide the FMEA process

What You Will Learn

- Why FMEA must start with a keen appreciation of the target functionality of a process—and how to use deductive methods to achieve that
- How to ensure that causes and effects will never be confused—and eliminate this common source of excess cost from projects
- Why controls must drive Process Validation activities as required by all major international quality standards
- What severity, occurrence, and detection mean, and how to estimate these factors
- How to understand and quantitatively assess risk
- How sound FMEA information makes processes more effective—and more efficient as well
- How a single failure mode can have many different causes and effects—and why you rarely need to worry about all of them

