

TRAINING OUTLINE

Opening Session - Initial Briefing with Management

This essential phase involves a discussion with site management to understand risk analysis and management in the context and history of the company and site. If the firm has a set methodology for risk analysis and management the artifacts from that methodology are reviewed to ensure tailored delivery of the course. The site's self-evaluated maturity level in risk management will be discussed.

Module 1 - Overview of Process Risk Management

The first session introduces the broad topic of Risk Management as it is applied in the process industry.

Module 2 - Create Risk Plan

This session reviews the basic structure of an effective process risk plan – the document that serves as a road map for risk management in the plant.

Module 3 - List Risks

This session gives participants tools and techniques for identifying risk in their organization

Module 4 - Analyze Risks Intuitively

This session focuses on the qualitative analysis of identified process risk.

Module 5:

Analyze Risks Numerically

This session focuses on the quantitative analysis of identified process risk.

Module 6 - Prioritize Risks

This session assists the participants in understanding how to draw upon the collective wisdom of their team to find which risks are most important.

Module 7 - Create Risk Action Plan

This session focuses on choosing strategies for high-priority risks.

Module 8 - Create Risk Narrative

This session teaches how to communicate critical risks to senior management, a rare but important skill.

Module 9 - Handle Risks

This session reviews what should happen risks become realities and how to improve the plant's processes with lessons learned.



PROCESS RISK ANALYSIS

In the past twenty years, plants have integrated techniques of Process Hazard Analysis (PHA) and Management of Change (MOC) into their operations and engineering projects. In addition, insurance providers require the occasional review of risks of business interruptions. The broader area of Risk Analysis and Management – which includes proactive identification, analysis, prioritization, and response planning to business and operational risks - is not yet a routine part of plant operation. PROCESS RISK ANALYSIS is designed to teach established techniques and methodologies of risk management to engineers, first-line supervisors, and managers in process plant operations. These processes include an additional level of sophistication in prioritizing all the risks to a plant's processes, product quality, and productivity. Using these tools and techniques plant leaders and managers will be able to identify which risks need attention and apply methodologies that lead to consistent response.

OBJECTIVES

During Process risk Analysis, here's what you can expect:

- Learn the language of risk management as practiced by over 300,000 Project Management Professionals worldwide.
- Understand a methodology that can be followed in order to evaluate risk in any process – batch or continuous, large scale or small.
- Gain practical experience in identifying and reviewing operational and business risks.
- Gain an understanding of Risk Management tools for evaluating the impact and probability of risk.
- Learn what artifacts to integrate into the planning cycle of a plant.
- Direct classroom instruction from an experienced manager.

OUR GOALS

With over 20 years of plant management experience, our team of expert facilitators will provide you with customized training solutions designed to meet your specific organizational needs, in an energized and supportive environment.

To ensure the time you spend with us is valuable, rather than “taking up your valuable time” with theory, we combine essential skills with real-world scenarios to help participants develop practical mastery of the critical skills needed in their specific work environment.

