

FUNDAMENTALS OF RISK BASED PROCESS SAFETY MANAGEMENT



PROFESSIONAL DEVELOPMENT:

Two classroom days providing 1.6 CEU (Continuing Education Units) or 16 PDH (Professional Development Hours)



BENEFITS OF THE FUNDAMENTALS OF RISK BASED PROCESS SAFETY MANAGEMENT TRAINING COURSE:

- To provide personnel involved with the safe and reliable operation of process facilities with a basic understanding of process safety management
- How it fits into your current safety management system
- How it impacts your work
- Roles and responsibilities for Operations personnel at all levels



COURSE OVERVIEW:

This course is designed to give operations and technical personnel a basic understanding of the principles of process safety management. The training is designed to be interactive, using both group work and case studies to reinforce the learning and understanding.

This overview training course is based upon the Risk Based Process Safety Approach developed by the Center for Chemical Process Safety published in 2007. It also takes into consideration the Canadian Society for Chemical Engineering (CSCHE) PSM standard.

Note: this training can be adapted to your current organization's safety program.

LEARNING OUTCOMES:

- The differences and similarities of occupational and process safety systems and how they work together
- A comparison of current Industry Standard PSM programs
- The importance of each PSM component
- Some key details of each component
- How the application of each element impacts daily work activities
- More knowledge to help you work safely
- How you can use comparisons and analytical approaches to investigate areas that need further investigation
- How PSM integrates into your current safety management system and implementing key aspects of PSM with the field workforce



PREREQUISITES OR RELATED COURSES:

There are no prerequisites for this training course.



WHO SHOULD ATTEND?

- Anyone who is working in close proximity to hazardous processes such as Operations and Maintenance Personnel, Supervisors, Engineers and Safety Professionals.
- Anyone who wishes to gain a better understanding of process safety and the application of the principles to facilities handling hazardous materials.



COURSE OUTLINE:

I. PILLAR 1 – COMMITMENT TO PROCESS SAFETY

- Leadership
- Employee Participation
- Compliance to Standards
- Workforce Competency
- Stakeholder outreach and engagement

II. PILLAR 2 – UNDERSTAND HAZARDS AND RISKS

- Process Knowledge Management
- Hazard Identification and Risk analysis

III. PILLAR 3 – MANAGE RISK

- Operating Procedures (Normal and Abnormal)
- Safe Work Practices
- Asset Integrity and Reliability
- Contractor management
- Training and Performance Assurance
- Management of Change
- Operational Readiness
- Conduct of Operations
- Emergency Management

IV. PILLAR 4 – LEARN FROM EXPERIENCE

- Incident Management
- Measurement and Metrics
- Auditing
- Management Review and Continuous Improvement



THE ACM EXPERIENCE:

Our courses and workshops are experiential, interactive and provide participants with practical knowledge and tools that can be immediately applied back at work.



COURSE TESTIMONIALS:

Here are a few quotes from over 3,300 participants we've trained;

- *"Very helpful instruction and activities in this course helped me get what I was looking for from it!"*
Project Coordinator
- *"The instructor was very interactive, encouraged discussion and welcomed feedback."*
Process Engineer
- *"Great course! The instructor made the course very enjoyable. With their wealth of knowledge and experience they could answer all of the questions, as well as provide a real life situation in which it applied."*
New Grad EIT
- *"Great course content, coverage and length. Superb instructor who presented material as it applies to real world scenarios."*
I&C Engineer



COURSE INSTRUCTORS:



Guillermo Pacanins

B.Sc. Elec. Eng., P. Eng., TÜV (Rheinland) F.S. Senior Expert / Instructor

Mr. Guillermo Pacanins is an Electrical Engineer with over 27 years of experience with knowledge in Process Controls and Functional Safety in the process industry. He has taught several courses in Process Automation to some of the largest companies in the world. With Mr. Guillermo's excellent communication and leadership skills, combined with his in-depth understanding of Process Safety Engineering makes him a successful functional safety analyst/educator.

Guillermo is a TÜV Functional Safety Senior Expert and teaches several functional safety workshops globally for ACM. Also, Guillermo has a Process Safety Practice Certificate from Texas A&M University, Mary Kay O'Connor Center for Process Safety.

[View instructor profiles online.](#)

CONTACT FOR FURTHER INFORMATION: info@acm.ca

CALL TOLL FREE AT 1-877-264-9637

PRIVATE IN HOUSE TRAINING COURSES:

<http://www.acm.ca/institute-of-hazard-prevention/private-courses>

