

## Training Outline

### Module 1: Introduction to Process Safety Leadership

- Understanding the Consequences
- Basic Risk Analysis
- Setting a Standard for Process Safety

### Module 2: Foundations of Process Safety

- The Elements of Process Safety
- Understanding and Using Process Safety Information
- Understanding Process Hazard Analysis
- The Auditing Process

### Module 3: What Every Supervisor Should Know About Training

- Role of Training in Behavior Change
- The Basic Curriculum for Process Safety
- Key Determinants of Training Success

### Module 4: Implementing and Supporting a Culture of Procedure Use

- Elements of Effective Operating Procedures
- When to Use Procedures
- Coaching Operators to Use Procedures

### Module 5: Management of Change (MOC)

- The Need for Management of Change
- Evaluating the Impact of Change
- Supervisor Responsibility for MOC

### Module 6: Mechanical Integrity

- Operations as the Front-Line of Reliability
- Testing, Inspections, and Process Safety
- Handling Equipment Deficiencies

### Module 7: Safe Work Practices

- Critical Work Practices for Process Safety
- Managing Operations/Maintenance Interactions
- Managing Contractors

### Module 8: Pre-Startup Safety Reviews (PSSR)

- The Role of the Supervisor in a PSSR
- What to Look for in a PSSR
- Managing PSSR Results

### Module 9: Role of the Supervisor When Things Go Wrong

- Incident Investigation
- Emergency Planning & Response
- Learning from Mistakes

# Process Safety Leadership

## Description

Effective leadership of the modern process plant requires an understanding of safety management that goes well beyond the basics of personal work safety. Practical mastery and application of the principles of process safety management will help supervisors do their part to ensure safe and efficient operations.

This unique workshop prepares supervisors to develop and lead a culture of safety within their shift teams. Founded on the principles of Process Safety Management (PSM), supervisors will learn how to apply the process safety elements most frequently encountered by the shift team. Practical guidance will be provided in how to address the issues most commonly experienced by the front-line supervisor. The class will also teach supervisors to use their process understanding and plant experience to get the operational benefits that come with effective PSM compliance practices.

## Objectives

- Develop an understanding of the concepts underlying the Process Safety Management practices typically encountered by the shift team
- Provide skills necessary for practical, 24/7 support of safe work practices and other work processes intended to ensure process safety
- Verify mastery of critical skills, and provide coaching points to support their successful use

## Methods

Methods used to achieve objectives are:

- Discussion with management of site process safety performance and history
- Training sessions, including instructor-led group activities, interactive lecture, individual coaching, and practice in applying skills to “real-world” scenarios
- Coaching points for supervisors and managers to facilitate successful use of newly acquired skills

## Goals

At Plant Leadership Systems, our goal is to provide you with 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, we combine essential skills with real-world problems and scenarios to help participants develop practical mastery needed in their specific work environment.

