



Looking for Best Practices in Process Safety & Operational Risk Management?

GET THE BEST WITH
DUPONT WORKSHOPS



The miracles of science™

PROVIDING YOU CONTINUOUS IMPROVEMENT & COMPETITIVE EDGE

Do you want to prevent process-related injuries and incidents? Are you looking for new ways to achieve sustainable improvements in business continuity and asset productivity? Are you interested in sustaining right-to-operate status and a positive reputation among all stakeholders?

If so, we can help. At DuPont, we have developed a collaborative approach to process safety and operational risk management that can be customized to your own unique challenges.



World-class process safety performance is a competitive differentiator for a company. Achieving a competitive edge also requires a system that drives continuous improvement and protects a company's employees, its surrounding community, the environment and its profits. We believe that sustainable safety performance requires a robust PSM system driven by operational discipline, in addition to occupational and behavioral safety management systems. Equally important, our focus on both the cultural aspects of an organization and the technical elements will help you sustain improved Process Safety Management performance.

PARTNERING WITH YOU TO IMPROVE PROCESS SAFETY

DuPont Sustainable Solutions offers a complete portfolio of Process Safety Management (PSM) Best Practices Workshops that can be tailored to your needs. These workshops are based on more than 200 years of real-world experience managing process safety in highly hazardous processes and our success in delivering PSM solutions to clients across many industries. In addition to working with countless clients, our experience comes from managing process safety for more than 50 separate businesses within DuPont.

Based on this vast operational experience, we have refined our disciplines, structures and methodologies in ways that can be replicated, put into practice, tested and fine-tuned for almost any situation or industry.

Experienced DuPont consultants deliver customized, half-day workshops on PSM Leadership, Operational Discipline and any of the 14 technical elements contained in our integrated

ORM Model. These interactive and instructor led workshops can be delivered across various levels of your organization from senior executives to practitioners, depending on your individual needs.

TODAY'S MOST RELEVANT TOPICS— IDENTIFIED BY YOU

Our workshops were developed after in-depth interviews with companies around the globe. You shared your most important challenges. You told us that you wanted practical workshops that fit into busy schedules. Likewise, you asked for flexibility—workshops that could be customized to your organization's particular needs.

Our portfolio of workshops includes topics that are the most relevant to today's operational needs:

- Process Safety Management/Operational Risk Management Overview
- Operational Discipline: A Culture of Following Procedures
- Management of Change, including Organizational Change
- Metrics
- Felt Leadership
- Process Hazard/Consequence Analysis
- Mechanical Integrity
- First- & Second-Party PSM Auditing
- PSM in Major Capital Projects
- PSM in Different Cultures/Org Structures
- IT Solutions for PSM Implementation



EXCLUSIVE, CUSTOMIZED WORKSHOPS FOR YOUR ORGANIZATION

We offer exclusive workshops at your location specifically geared to your company needs and your employees. For example, you can bring the DuPont Safety Management and Operational Risk Management Overview to your location for a half-day workshop or arrange for a series of 2-4 hour workshops on specific topics of interest—whichever best fits your organization's timeline.

We can design the workshops for executive management, operations managers, plant/site managers or safety managers.

Our programs and blended learning solutions on process safety and operational risk management are recognized around the world for their ability to significantly enhance an entire organization's knowledge about safety and how to make it an integral part of their lives, both on the job and off.

Our experts have designed workshops for the following industries:

- Oil & Gas
- Mining
- Metals Manufacturing/Processing
- Chemicals
- Transportation
- Power Generation

We will work with you to assess the best workshop design to meet your needs and submit a proposal based on topics, length of workshop and number of participants.

INTEGRATED PSM SOLUTIONS FROM AN EXPERT

Implemented properly, PSM can be an effective tool for increasing not only the safety of an operation, but its efficiency, cost-effectiveness, and quality. While PSM is currently an OSHA and US-EPA requirement for a limited number of industries and chemicals, PSM is increasingly becoming the accepted criterion that is applied to many hazardous processes around the globe.

DuPont's own PSM standard was formalized over 30 years ago and we have continued to perfect the implementation of this standard over time. In addition, DuPont was an integral part of the process when the OSHA regulations were written in the early 1990's so we understand the legal requirements of compliance. As a result, DuPont is uniquely qualified to assist your organization in developing and improving existing PSM programs.

DuPont experts in PSM help move organizations through stages of awareness and improvements of best practices, to benchmarking, planning and implementation.





In addition to our Best Practices Workshops, we provide many levels of consulting services including:

- Assessments/Benchmarking
- Asset PSM Improvement Plan Development
- Corporate PSM Strategy Development
- Governance and Organizational Design
- Business Process Engineering and Integration
- PSM Process Facilitation
- Organizational Development
- Auditing
- Expert Skills Augmentation
- Deliver Execution Partnering (Pairing DuPont resources with your staff to deliver results)
- PSM Program Management
- Disaster/Crisis Mitigation Management

DUPONT OPERATIONAL RISK MANAGEMENT MODEL



PROCESS SAFETY & OPERATIONAL RISK MANAGEMENT BEST PRACTICES WORKSHOPS FROM DUPONT

WORKSHOP	DESCRIPTION	WHO SHOULD ATTEND?
PSM/ORM OVERVIEW (2-4 hours)	<p>Process Safety Management is the application of management systems and controls to a manufacturing process so that process hazards are identified, understood, and controlled. A robust PSM system helps prevent process related injuries and incidents. This requires a sustained effort by leadership at all levels.</p> <p>Operational Risk Management is a process which assesses risk and facilitates decision making and implementation of controls in order to manage risk. ORM is the oversight of operational risk, including the risk of loss resulting from inadequate or failed internal processes and systems; human factors; or external events</p> <p>The Best Practices Workshop will help participants understand how world-class organizations manage their process safety and operational risk through standards, procedures, programs, audits and evaluations.</p>	Senior Executives and Operations Managers, including CEOs, COOs, Safety Executives, Plant/Facility and Operating Unit Managers and Site Safety Managers.
OPERATIONAL DISCIPLINE — A CULTURE OF FOLLOWING PROCEDURES (2 hours)	Operational Discipline is the foundation for attaining excellence in PSM. OD is the deeply rooted dedication and commitment by each member of the organization to carry out each task the right way each time. The OD Best Practices Workshop focuses on how leaders can create a culture of sustainable operational excellence in their organizations.	Senior Executives and Operations and Safety Professionals, including COOs, Safety Executives, Plant/Facility and Operating Unit Managers and Site Safety Managers.
FELT LEADERSHIP (3 hours)	A safe working environment starts with a commitment at the top. Management and senior leadership need to visibly demonstrate a commitment to safety and communicate expectations to make their safety programs a success. This workshop focuses on principles and actions that constitute felt leadership. The participants will learn about characteristics of felt leadership, actions that demonstrate personal commitment & techniques for positive interactions.	Senior Executives and Operations Managers, including CEOs, COOs, and Plant/Facility and Operating Unit Managers.
PSM IN MAJOR CAPITAL PROJECTS (3 hours)	Embedding Process Safety Management in a capital project system is the foundation for assuring safe operations throughout the life of the process. Capital projects must achieve designs that meet the balance of competing demands. This workshop discusses issues that are critical to achieving on-time start-up, design operating rates, and safe operation with optimum investment and life cycle cost.	Capital Project Managers and Design Professionals, and Technology Leaders.
PSM IN DIFFERENT CULTURES/ORG STRUCTURES (2 hours)	Cultural transformation is a key element of developing a robust process safety management system. Organizations operate across different countries and with different organizational structures. This poses significant challenges in developing a PSM system that will address these differences. This workshop will focus on the best practices for implementing PSM across different cultures and organizational structures.	Senior Executives, including CEOs, COOs, Country Leaders, and HR Executives and Managers.
IT SOLUTIONS FOR PSM/ORM IMPLEMENTATION (2-3 hours)	A supporting infrastructure of communications and data management systems is an essential element of an effective & efficient Process Safety Management System. This workshop will help participants understand how to use information technology solutions in the development of an integrated PSM/ORM System.	Senior Executives including CEOs, COOs, CIO/Information Technology Leaders, and Plant/Facility Managers.
MANAGEMENT OF CHANGE INCLUDING ORGANIZATIONAL CHANGE (3 hours)	When significant changes occur to site operations, support functions or organizational structures that have PSM roles and responsibilities, the organization must review potential PSM implications of these changes. This workshop will help participants understand best practices in developing and implementing criteria and guidelines regarding management of change including people, technology and organization.	Senior Executives including COOs, Plant/Facility Managers, and Operating Unit Managers.
METRICS (2 hours)	The objective of this workshop is to help participants understand the role Process Safety Indicators play in helping organizations continuously improve their management of process risks. The participants will learn how world-class organizations use PSM metrics including leading and lagging indicators in their journey towards excellence in PSM.	Senior Executives, including CEOs, COOs, Safety Executives, and Plant/Facility Managers.
PROCESS HAZARD/ CONSEQUENCE ANALYSIS (4-8 hours)	Process Hazard/Consequence Analysis combines science, skill, and judgment to methodically identify, evaluate, and develop methods to control significant hazards in the process. PHA is needed for New Processes and New facilities, Existing Facilities, Incident Investigation and Mothballing and/or dismantling of process facilities. Participants will get an exposure to the best practices in Process Hazard/Consequence Analysis including importance, responsibilities and tools needed to conduct PHA.	Capital Project Managers and Design Professionals, Technology Leaders, and Safety Executives.
MECHANICAL INTEGRITY (4 hours)	<p>This workshop will show participants how a comprehensive mechanical integrity program helps maintain and continuously improve a system's integrity and control the hazards throughout the life of the facility. Following topics will be discussed:</p> <ul style="list-style-type: none"> • Maintenance procedures • Training and performance of personnel • Quality control procedures • Equipment tests and inspections, including predictive and preventive maintenance • Repairs and changes • Reliability engineering 	Maintenance and Operations Leaders, including COOs, Maintenance Executives and Managers, Reliability Professionals, and Plant/Facility Managers.
FIRST- & SECOND-PARTY PSM AUDITING (3 hours)	Audits are important tools in the establishment, measurement, maintenance, and continuous improvement of process safety performance. Audits compare performance versus established standard. This workshop will focus on helping participants learn best practices in auditing performance against their own PSM standards, against local regulatory demands and against industry best practices.	Senior Executives and Operations Managers, including CEOs, COOs, Safety Executives, Plant/Facility and Operating Unit Managers and Site Safety Managers.

ABOUT DUPONT SUSTAINABLE SOLUTIONS

DuPont is committed to sharing its practical, real-world experience and best practices to help other facilities around the world improve their safety management systems. As one of 13 DuPont businesses, DuPont Sustainable Solutions (DSS) brings customers the benefits of an integrated global services and technology delivery enterprise.

DSS applies DuPont's real-world experience, science-based innovation, problem-solving success, and strong brands to help organizations transform their workplaces and work cultures to become safer, more efficient and more environmentally sustainable.

For more information on PSM Best Practices Workshops from DuPont, or our other seminar and webinar offerings and consulting services, call us today at 1-800-532-SAFE (7233) or visit us at www.sustainablesolutions.dupont.com



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