

2013 PII Public Course Calendar – with mini-description of courses

Rev 5

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| Course Title | Typical Course Attendees | Fees/ Duration | Jan. '13 | Feb. '13 | Mar. '13 | Apr. '13 | May '13 | June '13 | July '13 | Aug. '13 | Sept. '13 | Oct. '13 | Nov. '13 | Dec. '13 |
|--|---|---|---|------------------------------------|-------------|---------------|------------|------------------------------------|-------------|-------------|----------------|---------------|--------------------------------------|-------------|
| Course 1 Overview of Process Safety Management (PSM) – reviews all 14 elements of PSM as defined in US OSHA 29 CFR 1910.119. Excellent for workers | <ul style="list-style-type: none">Workers – Operations, Maintenance, Lab, support staffEngineers – Process, Safety, and MechanicalEnvironmental Management and Technicians | 1 day | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 2 Process Safety Management (PSM) – detailed description of each PSM element and how these interrelate. Some exercises and many examples. Great starter for PSM implementers | <ul style="list-style-type: none">Managers – Operations, Safety, Environment, and ExecutiveEngineers – Process, Safety, and MechanicalPSM Implementation Team Members – Anyone involved with implementationCompliance Auditors | \$1095 – 3 days \$1995 - 3 days, in Oman, Dubai [UAE] or Bahrain | | 3-5 Dubai 11-13 Char. | | 8-10 Char. | | 24-26 Char. | | | 9-11 Char. | | 10-12 Dubai 11-13 Char. | |
| Course 3 Compliance Auditing for Process Safety – details of how to perform an audit (gather and analyzing data), using PSM elements as the focus | <ul style="list-style-type: none">PSM Implementation Team MembersManagers – Operations, Safety, Environment, and ExecutiveEngineers – Process, Safety, and MechanicalCompliance Auditors | \$795 – 2 days | | 6-7 Dubai 14-15 Char. | | | | | | | 12-13 Char. | | 13-14 Dubai | |
| Course 4 Incident Investigation/Root Cause Analysis Leadership – In-depth explanation and hands-on workshops for perspective investigators/ analysts, cover all aspects and all activities. Uses the best practices from industry | <ul style="list-style-type: none">Engineers – process, process safety, and mechanicalOperations and Maintenance Staff – senior operators, maintenance technicians, supervisorsProcess reliability staffProcess quality control/assurance staff | \$1045 – 3 days, in USA \$1995 - 3 days, in Dubai [UAE] or Bahrain | | 27- Mar 1 Napa | | | | 4-6 Dubai 19-21 Char. | | | | 9-11 Char. | | 4-6 Napa |

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| Course 4-O Incident Investigation/Root Cause Analysis Overview – overview for workers or management who may participate in investigations | <ul style="list-style-type: none">Operations and Maintenance Staff, process reliability, and process quality control/assurance staff who may be team membersManagers who must ensure active participation on investigation and RCA processes | 1 day | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 5 Writing Effective Operating and Maintenance Procedures – following the rules taught in this course will prevent human error. This course is designed for writers (operators, maintenance workers, etc.) | <ul style="list-style-type: none">Senior Operations and Maintenance Technicians are the primary targets of this course, since they should write their procedures and take ownership of them (maintenance technicians need only to attend the first day)Engineers – Process, Safety, and MechanicalPSM and Quality Compliance Auditors | \$795 – 2 days \$1495 - 2 days, in Dubai [UAE] or Bahrain | | | | | | 9-10 Dubai | | 5-6 Knox. | | | | |
| Course 6 Mechanical Integrity – explains how to comply with the MI requirements within PSM, as well as how to mesh MI with reliability. Many workshops | <ul style="list-style-type: none">Designated employee responsible for designing, developing, and implementing a PSM-based MI programEngineers – Mechanical & Plant & ReliabilityManagers – Plant Manager, Maintenance, and ProductionPSM Manager or Coordinators | \$795 – 2 days \$1495 - 2 days, in Dubai [UAE] or Bahrain | | | | | | | | 7-8 Knox. | | | | |
| Course 7 Management of Change and PSSR – In-depth explanation and workshops on how to manage changes to procedures, equipment, etc., including how to do simple hazard reviews and explains pre-startup safety reviews | <ul style="list-style-type: none">Technical Managers and SupervisorsHSE professionalsQuality control managers and staffEngineersPSM coordinatorsMost other staff who are involved with designing, implementing, tracking, and evaluating MOC programs | \$795 – 2 days \$1495 - 2 days, in Oman, Dubai [UAE] or Bahrain | | | | 11-12 Char. | | 11-12 Dubai | | | | | 14-15 Char. | |

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| Course 8 PHA/HAZOP Leadership – the best course on how to lead and scribe hazard evaluations; taught by experts who have led hundreds of PHAs. For people who will be leading/scribing | <ul style="list-style-type: none"> Process engineer or project engineer Operations supervisor PSM coordinator E, H, & S Managers & Engineers | \$1695 – 4 days, in USA \$1995 – 5 days, in USA \$2995 – 5 days, in Dubai [UAE] or Bahrain | | 25-Mar. 1 Char. | | | 13-17 Char. 19-23 Dubai | | 22-26 Char. | | | 21-25 Char. | 3-7 Dubai | |
| Course 8-O PHA/HAZOP Overview – review of the requirements and methods. Ideal for managers or for team members | <ul style="list-style-type: none"> Operations and Maintenance Staff, process reliability, and process quality control/assurance staff who may be team members Managers who must ensure active participation in PHA and hazard reviews (HAZOPs, etc.) | 1 day | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 9 PHA Revalidation – best, proven methods for revalidating PHAs/HAZOPs. For experienced PHA leaders | <ul style="list-style-type: none"> This course is primarily for PHA leaders, but anyone with the following background will also find the course valuable: <ul style="list-style-type: none"> Process engineer PHA element coordinator/manager PSM coordinator and auditors E, H, & S Managers & Engineers | \$795 – 2 days | | | | | | 27-28 Char. | | | | | | |
| Course 10 Human Error Prevention – covers all of the reasons why human make mistakes and why they develop habits (good and bad) and explains how to optimize each factor to control human error | <ul style="list-style-type: none"> Managers – Operations, Safety, Environment, and Executive Production Supervisors Training Managers Engineers – Process, Safety, and Mechanical PSM Coordinators and Managers PHA (hazard review) Leaders and Incident Investigators | \$795 – 2 days, in USA \$1495 – 2 days, in Dubai [UAE] or Bahrain | | 25-26 Napa | | | | 2-3 Dubai 17-18 Char. | | | | 7-8 Char. | | 2-3 Napa |

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| Course 14 Human Error Prevention - for Workers – a customizable course to explain human errors to workers, with options to provide tools for controlling errors (such as JSA, STAR, etc.) | <ul style="list-style-type: none"> This course is for anyone involved in operations, maintenance, lab, utilities, and other support areas to a process, with direct hands-on responsibilities. Ideal for all operators and maintenance workers In addition, full-time safety practitioners, safety committee members, safety coordinators, safety specialists, safety managers, loss control managers, and operations managers can benefit from this course | 1-3 days, depending on needs | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 15 Safety Task Action Reporting (STAR) – workshops to teach workers how to control bad habits in the workplace | <ul style="list-style-type: none"> This course is for anyone involved in operations, maintenance, lab, utilities, and other support areas to a process, with direct hands-on responsibilities. Ideal for all operators and maintenance workers In addition, full-time safety practitioners, safety committee members, safety coordinators, safety specialists, human resources, safety managers, loss control managers, and operations managers can benefit from this course | 1 day - worker course 1-day - managers course | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 16 Behavior-Based Management for Safety and Reliability (Behavior-Based Error Reduction) – best practices from lessons learned in the past 20 years of implementing effective methods for controlling habits. Can include a module on implementing STAR | <ul style="list-style-type: none"> This course is for anyone involved in operations, maintenance, lab, utilities, and other support areas to a process, with direct hands-on responsibilities. Ideal for all operators and maintenance workers In addition, full-time safety practitioners, safety committee members, safety coordinators, safety specialists, human resources, safety managers, loss control managers, and operations managers can benefit from this course. | \$795 – 2 days, in USA \$1495 - 2 days, in Dubai [UAE] or Bahrain | (only offered as a private course at client site) | | | | | | | | | | | |

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| Course 17 Selecting the Right Manufacturing Improvement Tools – Compares each of the latest approaches to reliability and manufacturing improvement, such as TMP, Six Sigma, Lean Manufacturing, RCA, Predictive Maintenance, Kaizen, etc. | <ul style="list-style-type: none"> This course is for anyone who leads or influences the direction and success of manufacturing plants, such as VPs of manufacturing and reliability, reliability and operations management, and reliability technical staff | 1-2 days, depending on needs | (only offered as a private course at client site) | | | | | | | | | | | |
| Course 18 Reliability Leadership for Manufacturing Excellence – Learn excellence in manufacturing practices that are patterned after the best-in-class manufacturing companies. | <ul style="list-style-type: none"> This course is for managers of production, maintenance, and corporate executives; reliability, process, and safety engineers Anyone who leads or influences the direction and success of manufacturing plants | 1-2 days, depending on needs | (only offered as a private course at client site) | | | | | | | | | | | |