Driving Operational Excellence™

Process Safety Compliance

Regulatory Change Creates New Challenges

Manage Risk.
Enhance Compliance.
Boost Profitability.

Operational excellence for the petrochemical, oil & gas, manufacturing, mining and utility industries.

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REV 022822

Challenged with Process Safety Compliance?

The regulatory winds of change are creating a new process safety reality.

The US Government recently issued Executive Order 13650, *Improving Chemical Facility Safety and Security,* in response to a fertilizer plant explosion in West, Texas that killed 14 and injured more than 200. A working group is defining the legislation that will require enhanced federal, state and other agency coordination, community preparedness, improved data management, stakeholder communication, and modernized policies / procedures. There will be impacts to PSM and RMP as well as focused audits.

In addition, offshore companies operating in the Gulf of Mexico are subject to BOEMRE's SEMS I & II regulations. Finally, The American Chemistry Council has launched its Responsible Care® Process Safety Code. All of these demands must be effectively managed and integrated where possible.

With the advent of the National Emphasis Program (NEP) and CNEP for chemical facilities, process safety has transitioned from a guideline driven performance based compliance activity to a prescriptive standard. This fundamental shift requires operating companies to adopt a "compliance management" framework similar to "Title V" thinking to defend their basis for compliance. Operational Sustainability® (OS) offers extensive experience and expertise that allows us to assess needs, diagnose problems, and to provide solutions to our clients that are reflective of this rapidly changing compliance landscape.

The OS team helps assess, revise, and improve your Process Safety Program.

We offer the following Process Safety services:

- Process Safety consultants and offer staff augmentation
- Mechanical Integrity (MI) program development including:
  - Piping circuitization and program development
  - Risk-Based Inspection (RBI) implementation
  - Non-destructive testing program development
  - Drawing verification and TML placement
  - Inspection staffing (i.e. API 510, 570, 653)
  - Audits and gap analysis
- Operating procedures development, revision and procedural automation
- Management of Change (MOC) policy / procedure development and program assessment
- Relief system design and design basis
- Risk Management Plan (RMP) inventory validation and documentation of information sources
- Process Safety Information (PSI) organization and updates
- Audits and gap assessments for Process Safety, RMP, and MI programs
- Human factors and facility siting evaluations
- Incident management solutions
- Process Hazard Analyses (PHA), including HAZOP and Layer of Protection Analyses (LOPA)
  - Our cutting edge technology significantly reduces PHA revalidation study time
- Training specific to your Process Safety program including competency models
- Metrics and reporting advisory services including best practices for implementing API RP 754
- Recommend and implement the OESuite® modules best suited to your Process Safety Compliance needs

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Process Safety Compliance

OS takes a pragmatic approach evaluating everything through the lens of efficiency with a focus on enhancing compliance. For this reason we offer the **OESuite® Process Safety Framework**, our comprehensive web-based platform for Process Safety Compliance.

Process Safety Framework

Module — Feature

Compliance

- Incident / Event Mgmt + Mobile — RCA, Consequence of Deviation — Failure Elimination / Bad Actors — Non-conformances / Product Quality
- CAPA / Action Item Management — Review / Manage Recommend-ations — Deferral & Deviation Management
- Management of Change + Mobile
- Pre-Startup Safety Review + Mobile
- Work Permitting + Mobile — IPL Lifecycle, Scheduler
- Task / Compliance Management — Consequence of Deviation
- Audit Management + Mobile
- Document Management
- Performance Management — Failure Elimination / Bad Actors
- PSI Solution

Safety

- Process Risk / Risk Assessment — What If, JSA, HAZID, FMECA — HAZOP / LOPA / PHA — Dust Hazard Analysis, PSM Boundary
- Enterprise Risk Management
- Safety Instrumented Systems + Mobile — SIF, IPL Lifecycle, Proof Testing, SRS Design
- Safety Lifecycle Solution

Assets

- Alarm / IOW Management — Safe Operating Limits — Alarm Rational-ization
- Inspection Mgmt + Mobile — Scheduler, NDE Data — Visual / Thickness Measurements — Calibration
- Risk-Based Inspection
- Relief Device Management
- Mechanical Integrity Solution

Workforce / Organization

- Organizational / Personnel Change — Organogram, Succession Planning
- Competency Mgmt — Job Role Maps — Competency Assessment, Interventions
- Training Mgmt / LMS + Mobile — Skills Matrix / Curriculum — SCORM / AICC
- Procedure Mgmt / Work Instructions + Mobile
- Contractor Safety Management Solution

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Process Safety Compliance

OESuite® software is available on-premise or in the cloud.

For more information on how OS can help you with your Process Safety Program email us at info@DrivingOE.com or call (713) 355-2900.

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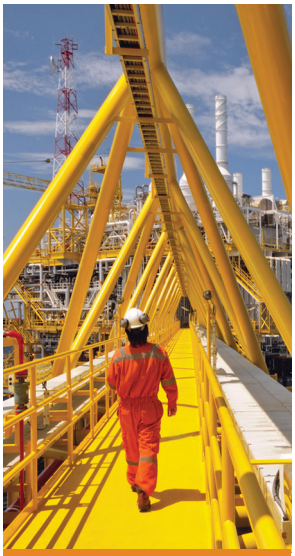
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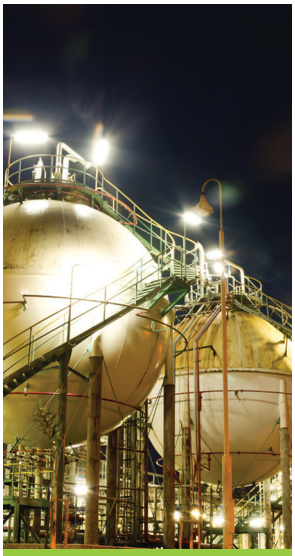
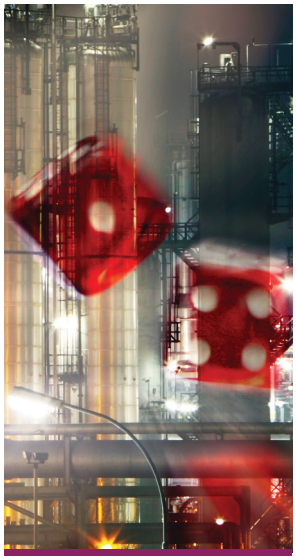

Assets

Operations

Compliance


Risk

Operational Sustainability® makes operational excellence simple.

Succeeding in today's complex, highly-regulated industries depends on how well your company manages **operational risk** and enables **operational discipline**. Our world-class advisory services and our industry-leading cloud-based, highly configurable software work together to enable your company to achieve **operational excellence**. To implement OE 4.0 and sustain **operational integrity**, companies must balance production goals with reliability, safety, and human and environmental factors. We identify and help you solve any issues to move to a real-time, mobilized risk-aware culture. With an average of more than 30 years of industry experience each, our advisors can design a solution tailored to your company's culture and needs.

Learn how Operational Sustainability can advise your workforce through our consulting services and support your journey to operational excellence through our OESuite® software platform. See our full slate of free webinars, white papers, detailed module information, and scheduled workshops online at **www.DrivingOE.com**.

Schedule your free consultation and demo today.

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