



Managing the Challenge of Process Safety

Managing Process Safety is one of the most challenging aspects of achieving safe and reliable operations for any company working in Oil&Gas, chemical high hazard industries, mining and energy. Process safety incidents costs money, disrupts reliable operations but can also result in massive damage, loss of life and threaten the very existence of an organization and its environmental footprint and reputation. There is no evidence that the frequency of serious process safety incidents has reduced.

The [Process Safety suite of DVD workshops](#) featuring the esteemed Professor Andrew Hopkins, an internationally acclaimed process safety specialist, will provide comprehensive coverage of process safety including underpinning theory, practical tools and processes, how to measure process safety and techniques to help you positively influencing colleagues within your company.

By training using the DVD workshops and accompanying support material, you are protecting your workforce against death and injury, and protecting your company against reputation damage.

The Institute of Chemical Engineers (IChemE) includes the content from the FutureMedia process safety training programs in their courses. Other organisations utilising the Hopkins programs include ABB, Abu Dhabi Gas, Anglo American, BC Hydro, BP, Conoco Phillips, Dow Corning, Gasco , Husky Energy , Shell, Wood Group, Worley Parsons & Xstrata Coal.

The DVD workshops aim to support operating in a reliable and safe manner, thereby avoiding unnecessary expense for the company. This helps maintain a healthy company reputation and save lives. For example, the Gulf of Mexico cost BP \$20 billion dollars, and still counting. The DVD workshops and accompanying support material, offer expertise that will enable you to gain maximum information on these vital issues:

REVIEW the latest thinking on managing process safety

DEVELOP process safety indicators which are relevant to your company and operation

GAIN INSIGHTS from learning the inside story of how and why famous process safety incidents occurred as well as the learning from a series of less well known but equally important incidents

BENCHMARK your organization's process safety maturity using a tool to assess organizational and human factors

ENHANCE your own skills and knowledge on change management so you can be even more effective in your organization in promoting process safety

EXAMINE how process safety is becoming a key corporate governance issue for the leadership teams of companies

The training suite provides:

- A clear explanation of how the causation of process safety incidents differ from occupational health and safety accidents
- Managerial strategies to successfully manage process safety; including how focusing on risk controls can improve performance

- An explanation of the cognitive biases which affect supervisors and managers, and which may inhibit effective management of process safety
- Practical tips for implementing human factors
- Improvements to make it more likely critical procedures are followed by front line personnel
- Effective auditing of process safety including human and organizational factors
- Change management techniques that safety and reliability specialists can deploy to improve the uptake of the above approaches to reduce the likelihood of process safety incidents and improve reliability
- Effective Leadership for process safety
- Process safety and enterprise risk management: What good looks like in Corporate Governance

The DVD workshops use case studies of actual process safety incidents to illustrate the key concepts and participants will be encouraged to share their knowledge of incidents for the benefit of the course including near misses. The [books by Professor Andrew Hopkins](#) and the suite of process safety DVD workshops are essential tools for all organizations operating in high hazard, low frequency with high risk for accident, industries.

Creating a Mindful Organisation

- High reliability organisations
- Collective mindfulness
- Culture of Denial
- Group-think
- Reporting system

Mindful Leadership Communication Skills

- Why and Where should you talk to workers?
- When should you talk to workers?
- Who should you talk to?
- How should you conduct the talk?
- What could you talk about?
- What else to do on walk-arounds?

Mindful Leadership with Reference to BP Texas City

- Mindful Leadership
- Auditing
- Self-Auditing
- Reporting Systems
- Accident Analysis
- The 5 whys
- Organisational Design
- Cost Cutting
- Incentive Scheme
- LTIs

Macondo Blowout: The Human and Organisational Causes

- Swiss Cheese Model
- Failure of Cement Job
- Organisational Structure
- Profit before Safety
- Process Safety or Personal Safety
- Unconstrained Cost Pressure
- Major Hazard Risk Indicators
- Failure of Pressure Testing

- Normalisation
- Group Think Factor
- Confirmation Bias
- Defence in Depth
- Failure to Monitor
- Learning from Other Incidents

The Falling Dominos of Macondo: A Failure of Defence in Depth

- Defence in Depth
- First Barrier: Cement Job
- Second Barrier: Cement Evaluation Tool
- Third Barrier: Well Integrity Test
- Fourth Barrier: Monitoring
- Fifth Barrier: Blowout Preventer
- After the Blowout
- Bowtie Diagram
- Diverter Barrier
- Ignition Barrier
- Response Plans: Blowout Response
- Response Plans: Oil Response
- Post Blowout Risk Assessment

Preventing Disaster: Learning from Longford

- Hazard Identification
- Corporate Safety Function
- Government Legislation
- Auditing
- Reporting Systems
- Lost Time Injury Frequency
- Technical Support
- Alarm System
- Management of Change
- Communication Between Shifts
- Maintenance Cost Cuts

Safety Talks

Contact us for more information and to request a quote or a pro-forma invoice.

info@futuremedia.com.au

T: +61 2 9279 4499