

## Introduction to Process Safety—Module 2

### COURSE DESCRIPTION

R4Risk's process safety training is a three-day course designed to provide an understanding of key Process Safety Management (PSM) concepts.

### WHO SHOULD ATTEND?

This training course is designed for those who want to further their knowledge and understanding of process safety and is essential for those involved in the design, operation, maintenance and management of hazardous process plants, refineries, chemical plants, oil and gas facilities, petrochemical / LPG terminals and process plants at mines.

Those who would benefit from this course include:

- Plant managers and supervisors
- Plant and process engineers
- Process safety engineers
- Design engineers
- Health and safety managers
- Maintenance supervisors.

### COURSE CONTENT

This interactive training course covers a range of essential topics, including:

- Importance of PSM
- Lessons from disasters
- Basic principles on fire, explosion and toxics hazards
- Principles of process design safety
- Technical risk assessment
- Management systems.



### LEARNING OUTCOMES

Learning outcomes from the Process Safety training course include an understanding of the following key principles:

- The need for process safety
- PSM leadership and culture
- Lessons from disasters
- Hazard identification and risk assessment techniques
- Control of risk and adequacy of control measures
- Fires, explosions, toxic and chemical reaction hazards
- Management systems
- Process safety in design (inherent safety)
- Technical risk assessment
- Asset integrity
- Incident investigation
- Management of change
- Contractor management
- Process safety performance — lead / lag process safety indicators
- Influence of human factors
- Emergency planning.

### COMPANY-BASED TRAINING

If you have several colleagues interested in this course, R4Risk can provide company-based training.

Please contact our office to discuss your requirements.

### TRAINING DATES

Please refer to the R4Risk training website page for training dates.

### COST

The cost (incl. GST) of this training is:

- \$4,125 per participant or
- \$3,300 per participant for two or more people who register from the same company.

This includes the supply of comprehensive training material as well as in-course catering.

### REGISTER

To register, please complete the online registration form on our [R4Risk website](#). For individual training enquiries, please email [training@r4risk.com.au](mailto:training@r4risk.com.au)