



Process Safety Training Courses

*Practical, technical training
programmes tailored to meet
your In-company Training
Course needs*

Technical Training Courses for Engineers
Short Training Courses for Plant Operators
Integrated Training Packages for all Personnel

Process Safety Training Courses

“Technical training presented in an easily understood way by people expert in their field.”



Consequences of Chemical incident.

Photograph courtesy of WYFCDA.

Successful health & safety management requires that all staff understand the principles and practices of process safety. A well trained work force will reduce the risk of industrial explosions & fires and the consequent damage to plant, staff and the environment. It is also essential to your compliance with ever-more demanding legal and ethical responsibilities. This staff awareness is most effectively delivered through tailored training programmes which are practical and relevant to your company's manufacturing processes.

HOW CAN WE HELP

Chilworth Technology offer a range of 'in-company' training courses and training packages which are tailored to your exact needs and presented at a time and location which is convenient to you. We provide specialist technical training for qualified staff with operational, design or safety responsibilities as well as comprehensive training packages consisting of standard and extended courses. We can also provide awareness training on specialist topics for operators.

Chilworth Technology is a well-respected leader in the field of process safety. Our consulting staff provide expert advice to major chemical, pharmaceutical & processing companies around Europe & the USA every year. It is these same consultants who deliver the training courses, sharing their wide practical experience of industrial best practice with your staff.

WHO WILL BENEFIT?

The courses and training programmes are available at 2 levels. Technical training courses are designed for engineers, chemical engineers, plant managers, production managers, and anyone with responsibility for plant safety. We also have operator training courses designed to provide the essentials of process safety awareness.

Standard courses are structured with particular relevance to the following industries, although other industries can be accommodated:

- Chemical
- Pharmaceutical
- Processing
- Fine Chemical
- Detergents

“The training courses you ran for us were very well received and gave an excellent understanding of the basic process hazards we face on the plant. The practical demonstrations of electrostatic discharges and dust explosions were particularly appreciated. Your willingness to tailor the courses to the technical understanding of the attendees has meant that this course has now become part of our routine training for all our new engineers, chemists and plant supervisors.”

Dr R J Ward, Hazards Manager, Fine Organics.

“The technical training given by Chilworth achieved exactly what we wanted – a clear understanding of the hazards and precautions required with static, presented in an easily understood way by people expert in their field.”

Chris Clark, Principal Safety Advisor, Courtaulds Plc

TECHNICAL TRAINING COURSES FOR ENGINEERS

These courses have been designed to show how fire, explosion and chemical hazards in manufacturing processes can be systematically identified, evaluated and eliminated. The courses provide a basic understanding of the technical issues as well as the 'tools' of hazard assessment, incident prevention and plant protection.

These specialist courses are typically of one or two day duration. Titles include:

- Explosion Hazards in the Handling of Flammable Solvents and Gases.
- Dust Explosion Hazards: prevention and protection.
- Industrial Electrostatic Hazards: assessment and control of ignition risks.
- Chemical Hazard Assessment and the prevention of runaway reactions, including emergency relief design.
- Hazardous Area Classification: safe operating procedures and specification of electrical equipment.
- HAZOP in practice.

SHORT TRAINING COURSES FOR PLANT OPERATORS

Many accidents are a result of human error at the operator level. Investigations of recent incidents have shown that a better awareness of the dangers involved, along with improved safety management, can reduce the risks. Chilworth Technology's series of half-day courses are designed specifically to provide this awareness. Titles include:

- Safe Handling of Flammable Substances
- Exothermic Chemical Reactions
- Preventing Dust Explosions
- Understanding Electrostatic Hazards.

INTEGRATED TRAINING PROGRAMMES FOR ALL PERSONNEL

Many companies require help and advice setting up training programmes to ensure all staff receive an appropriate level of process safety training. Using our broad experience, we can advise on needs and formulate and deliver comprehensive training packages. Chilworth Technology will take complete responsibility for all your process safety training needs.

Integrated training programmes can be run for any number of days and can be repeated and regularly reviewed to meet your ongoing requirements.

Training programmes can cover all topics listed above and others besides.

“95% of industrial fires and explosions are attributable to human error and could have been prevented.”



**Specialist
Training**

- interactive – workshops, discussions
- demonstrations – experiments, instruments
- videos
- real life case histories
- comprehensive course notes.

Process Safety Training Courses

Chilworth
Technology

the experts in process safety

THE BENEFITS

For a fixed fee your company can have a course which is:

- tailored to your company's specific needs and processes
- arranged at your convenience
- cost effective
- held at your site, saving money on costly hotel bills and time wasted on travelling
- geared to the level of technical expertise of the participants
- unlimited in the number of participants



Testing to GLP Standard



Consultancy



Training



CHILWORTH SERVICES

We offer a range of testing and consultancy services to the processing industry, covering:-

- Dust/Gas/Vapour Explosions
- Electrostatic Hazards
- Hazardous Area Classification
- Chemical Reaction Hazards
- Chemical Process Optimisation
- Regulatory Testing (NONS, CHIP, CPL, UN)
- ATEX Audits
- Major Hazards (Seveso II / COMAH)
- HAZOP
- Incident Investigation
- Expert Witness
- Training

For further information and a comprehensive list of the testing services available, please contact one of our offices detailed below.

CONTACT

Process safety training experts are on hand at the following sites:-

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