

1.11 Risk Management of Technical Safety

1	Duration	5 days
2	Aim	To provide students with an integrated and holistic view of risk management applied to technical and / or process hazards resulting from hazardous incidents on industrial sites
3	Target Public	Executive and middle manager, specialists, safety managers, risk and consulting engineers, underwriters, consultants of insurers
4	Prerequisites	Basic understanding and experience in at least one aspect of practical safety management
5	Objectives	<p>At the end of the course the students will:</p> <ul style="list-style-type: none"> • understand risk management in form and content • be familiar with the related regulatory framework and the standards • know the basics of risk perception • be able to understand, classify and communicate technical safety in the holistic view of other existing system risks • know methods of qualitative and quantitative risk assessment of technical safety (risk analysis and rating) • understand and be able to implement risk optimized safety measures: avoid, transfer, mitigate or retain the residual risk (i.e. crisis management and emergency planning) • be able to propose, evaluate and prioritise adequate safety measures for the recognised risks by cost-effectiveness criteria • be able to use risk management as a company management tool
6	Programme	<ul style="list-style-type: none"> • Different methods of risk assessment and risk evaluation • Risk management as a process • Risk optimized safety measures • Insurance and technical safety • Regulatory framework and standards • Risk perception • Crisis and risk communication • Fire safety, occupational safety • Hazardous incidents • Integrate risk management of technical safety into other existing system risks • Case study: safety risk management with special focus on technical and / or process hazards resulting from hazardous incidents on industrial sites
7	Related CFPA-E Guidelines	
8	Examination	Written examination plus a case study presented in writing or orally
9	Certificate - Diploma - Attest	Diploma Optional subtitle «Risk Manager of Technical Safety»
10	Countries Running the Course	<ul style="list-style-type: none"> • Switzerland (risktraining@swiss.ch, www.swiss.ch)