

Onsite Course Outline BowTieXP

(Duration: 2 Days)

Course Pre-requisites

Attendees are required to have a sound understanding of the fundamentals of risk management and risk management processes. Attendees will also have basic computer skills and knowledge of Microsoft office products.

Course Overview Day 1

Introduction to Risk Management and BowTieXP Theory

• Risk Management Principles • BowTieXP Methodology Theory

The program begins with the review of the risk management process that underpins the approach to qualitative risk management. The course branches out into a detailed explanation of how to apply the BowTieXP risk management

methodology, to the analysis of major hazards and unwanted events. A practical approach is adopted throughout the presentation and is based on significant industry experience.

ISO 31000

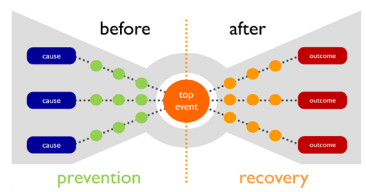




Establishing the context

- Articulates objectives
- Scope and risk criteria
- Defines the parameters to manage risk

The bowtie model



BowTieXP Risk Management Software Application

• BowTieXP software introduction • BowTieXP software demonstration • BowTieXP learning exercises

The methodology is applied using the BowTieXP software to expedite learning by creating simple Bowties using all of the Bowtie elements and navigating through the software considering various practical scenarios. This session addresses the best practices for using the

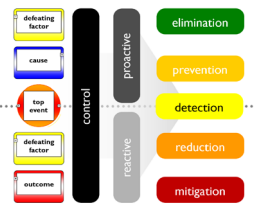
software in a corporate learning environment and to use its powerful features to create risk assessments in preventing and minimising exposure to unwanted events in the workplace.

controls are defined by context

what is being controlled?



defense in depth



control 'objective'

likelihood

consequence

qualitative control effectiveness

Rating	Availability	Reliability	Human Factor	
++	In place and used all of the time	Very reliable (100%)	No human involvement, simple instructions, easy to operate, incentives, proven operator performance. Error practically impossible.	Very effective
+	In place and used most of the time (approx. > 90%)	Reliable (> 95% but < 100%)	Clearly defined task, defined operating procedures, personnel trained and experienced. Error conceivable but very unlikely.	Effective
0	In place and used occasionally (approx. > 50% but < 90%)	Fairly reliable (> 75% but < 95%)	Operating under stress, multi-tasking, complex procedures, difficult to operate, personnel is trained but errors considered possible.	Fairly effective
-	Not permanently in place and used infrequently (approx. < 50%)	Unreliable (> 50% but < 75%)	Operating under high stress, complex or unclear procedures, inadequate training. Errors considered quite possible.	Ineffective
--	Not in place and never used	Very unreliable (< 50%)	Personnel unfamiliar with the task, very complex procedures, no operator training. Errors can be expected or emergency situation.	Very ineffective
?	Unknown	Unknown	Unknown	Unknown

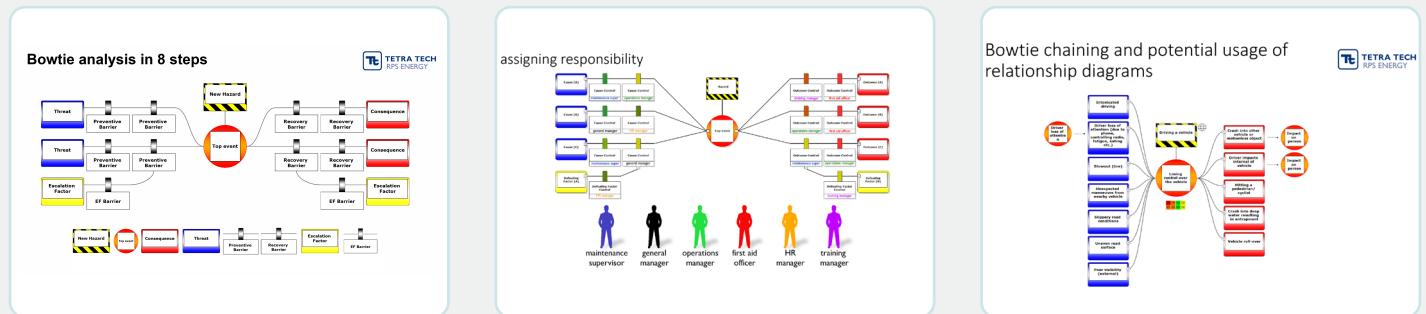
Course Overview Day 2

BowTieXP Risk Management Software and Workshop

- BowTieXP advanced features for analysis
- BowTieXP case study

Day 2 begins with various navigation techniques, software demonstration of the advanced features of the software, hands-on exercises and case studies. The hands-on exercises provide a good insight into the

capabilities of the software for reporting and risk analysis. By the end of Day-2 participants will be prepared to apply the BowTieXP management software in their workplace.



Learning Outcomes

- Identify how and where bowtie analysis fits into existing risk management practices
- Use bowtie analysis for risk assessments
- Apply the BowTieXP software to implement bowtie analysis

Tailored in-house / custom courses

In-house custom courses can also be delivered on request at your location of choice. We offer training around the world.

Who should attend?

Risk Engineers, Risk Managers, Auditors, Supervisors, Managers, Safety Professionals and leaders responsible for managing risk activities.

BowTieXP Software

Attendees get free access to the BowTieXP software for two months and a Certificate of Attendance.

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Please contact us for course dates



Available Training Locations

Australia

- Perth
- Brisbane
- Adelaide

New Zealand

- Wellington
- Auckland

Asia

- Kuala Lumpur
- Jakarta

To register your interest in an upcoming course, click [here](#).

* We reserve the right to alter training location/dates at our discretion

** Other locations available for on-site training

About us

Tetra Tech RPS Energy is a global technical consultancy focussed on the energy sector, predominantly offshore. We provide strategic advisory and environmental management services.

We work with our clients to manage their environmental impacts, optimise their return on investment, develop their people and bring energy to market cost-effectively and safely.

Tetra Tech RPS Energy is part of Tetra Tech, a multidisciplinary energy, environmental and infrastructure company with 550 offices worldwide.

Tetra Tech by numbers

30,000

Talented people

110,000

Projects annually

550

Offices

Working in

125

countries

