



# BOW TIE ANALYSIS WORKSHOP

The Bow Tie principle to analyse and document risk has been attributed back to Royal Dutch Shell as long ago as the 1970's. Since then, oil and gas, mining and pharmaceutical companies, amongst others have used the Bow Tie principle to explore and communicate risk. More recently, financial institutions have warmed to the idea, finally seeing the benefit of this simple, yet comprehensive method to understand and communicate risk.

This 1 day course covers the principles of Bow Tie analysis for understanding and documenting risk. Construction of the bow tie will be covered in depth as well as its application in root cause analysis, incident management, risk assessment, scenario analysis and KRI development. Participants will develop a number of bow ties during the course through app based simulations.

## DATES

[www.protecht.com.au/risktraining](http://www.protecht.com.au/risktraining)

## PRESENTER

David Tattam

## LOCATION

Sydney, Melbourne, Brisbane, Perth or in-house

## DURATION

1 Day

## David Tattam

David is an Executive Director of The Protecht Group and author of "A Short Guide to Operational Risk". He is recognised internationally as a specialist in all facets of risk management and in particular, enterprise risk management. Prior to founding Protecht in 1999, he held roles as the Head of Operations and Risk Management at two international banks, WestLB and The Industrial Bank of Japan. His career also spanned 7 years with PwC. David is currently active in consulting to and training in a wide range of industries in relation to setting up risk management functions and implementing enterprise risk systems. He has been instrumental in the development of Protecht's fully integrated ERM software solution, Protecht.ERM. David is also a supporter of Bow Tie analysis and has been an advocate and avid user for many years. David is an Associate of the Institute of Chartered Accountants in Australia, a Fellow of the Institute of Chartered Accountants in England and Wales and a Senior Fellow of the Financial Services Institute of Australia.

## COURSE HIGHLIGHTS

- An in-depth understanding of risk and its component of Cause, Event and Impact.
- An in-depth understanding of controls, the various types and how they modify risk.
- A working knowledge of the Bow Tie principle and how it applies to analysing and documenting risks and controls.
- Hands on practice of developing bow tie diagrams using both written and app based tools.
- An understanding of how Bow Tie analysis can be used as the core of an enterprise risk management methodology and process.
- An understanding and capability of how to use Bow Tie Analysis in: Incident Management, Risk Assessment, Stress Testing, Key Risk Indicators and Compliance Risk Management
- How to use Bow Ties for aggregated risk reporting
- Embedding Bow Tie analysis into day to day management



@Protecht\_Risk



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## GET IN TOUCH

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# COURSE OUTLINE. INTELLIGENCE GAINED.

## 1. The Components of Risk

- The importance of objectives
- Causes
- Events
- Impacts
- Characteristics of Risk
  - Likelihood
  - Impact
  - Velocity

## 2. The Risk Bow Tie – Key Principles

- Illustrating the inherent risk bow tie using a risk incident
- Guidance steps in Bow Tie development
- The key questions of “But Why?” and “What Next?”
- Hurdles to look out for

## 3. The Components of Controls

- Types of control
  - Preventive
  - Detective
  - Corrective
  - Velocity
- Mapping controls on the Bow Tie
- Effect of controls on Risk – Likelihood, Impact and Velocity

## 4. Creating a Bow Tie

- Where to start? - Event, Cause, Impact, Control?
- The main event
- Analysing back to root cause – the techniques
- Analysing to impact – the techniques
- Ways to map controls
- Case study: Developing your own Bow Tie

## 5. Issues to Consider

- Granularity of Bow Tie – too high level / too granular?
- Magnifying parts of the Bow Tie
- Splitting a Bow Tie
- Interconnectivity between Bow Ties
- Common errors
  - Not enough “Whys?”
  - Blaming controls
  - Jumping steps

## 6. Uses of the Bow Tie

- Analysing Incidents
- Risk and Control Self Assessment
- Identifying KRIs using the Bow Tie
- Analysing and documenting stress tests

## 7. Reporting Using the Bow Tie

- Integrated Risk Reporting
- Bow Tie heat maps

### Who Should Attend:

Chief Risk Officers, Risk Managers, Financial Controllers, Internal and External Auditors, Risk Advisers and Consultants, Regulators, Senior Management and any staff required to be “risk aware”.

### How to Register:

To register please send an email to [info@protecht.com.au](mailto:info@protecht.com.au) or phone +61 2 8005 1265.

Payment can be made by direct bank transfer on the subsequent receipt of an invoice.

### Cost:

The cost of the course is \$990 + GST. This fee includes all materials, lunch, morning and afternoon refreshment but excludes your travel, accommodation and incidentals.

### Course Times:

Registration commences at 8.30am. The course commences at 9.00am and concludes at 5.00pm.

### Terms and Conditions:

Protecht reserves the right to cancel or postpone this program due to circumstances outside of its control. Protecht will endeavour to provide confirmation of the course proceeding or being cancelled or postponed on or before 14 days prior to the course start date. If you do not receive such confirmation, please contact Protecht directly for confirmation. Where Protecht does cancel or postpone the course, delegates will receive a full refund of the course fees paid. Protecht will not be liable for any expenses associated with attending the course, including but not limited to costs associated with airfares and accommodation, should the course be cancelled or postponed at any time. For participant cancellations received less than 4 weeks prior to course commencement no refund will be given. However, a replacement delegate is acceptable.

### Company Details:

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