

Bowtie Risk Management

Purpose

Bowtie analysis (also known as barrier diagrams) is an increasingly popular approach to help manage risk. This module introduces the bowtie methodology and examines in detail the various bowtie analysis components. The module also provides a critical review of the method's benefits, limitations and practical uses, with hands-on practice at applying the technique.

At the end of the course you will be able to

1. Analyse hazard scenarios by applying the bowtie method and designing a bowtie diagram
2. Develop integrity assurance for bowtie barriers
3. Devise risk acceptance criteria for hazards in bowties

Outline content

- Introduction to risk assessment and bowties
- The bowtie method – what is a bowtie and how to build one
- Assuring barrier integrity
- Effectiveness and ALARP for bowties
- Benefits and practical uses of bowties
- Facilitating bowtie workshops
- Bowtie software tools

Recommended prior study

Education, skills or experience equivalent to undergraduate level

Risktec modules: *Principles of Risk Management; Hazard Identification*

Who should attend

Managers, engineers, operators, HSE advisors and risk management practitioners.

Delivery Methods

Face-to-face, Distance Learning, or Blended Learning

Levels of Assessment

- Attendance only
- Assessment by Risktec
- Risktec Professional Qualifications
- Postgraduate Qualifications: CPD, PgCert, PgDip and MSc

Assessment details

Postgraduate programmes: activities and assignment (total about 80 hours)

RPQ programmes: assignment (about 15 hours)

Module details

Level	Masters/RPQ
Duration	2 days (F2F), 8 weeks (Postgraduate or RPQ DL)
CPD Credits:	10 (postgraduate programmes)

Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at training@risktec.tuv.com

Contact

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