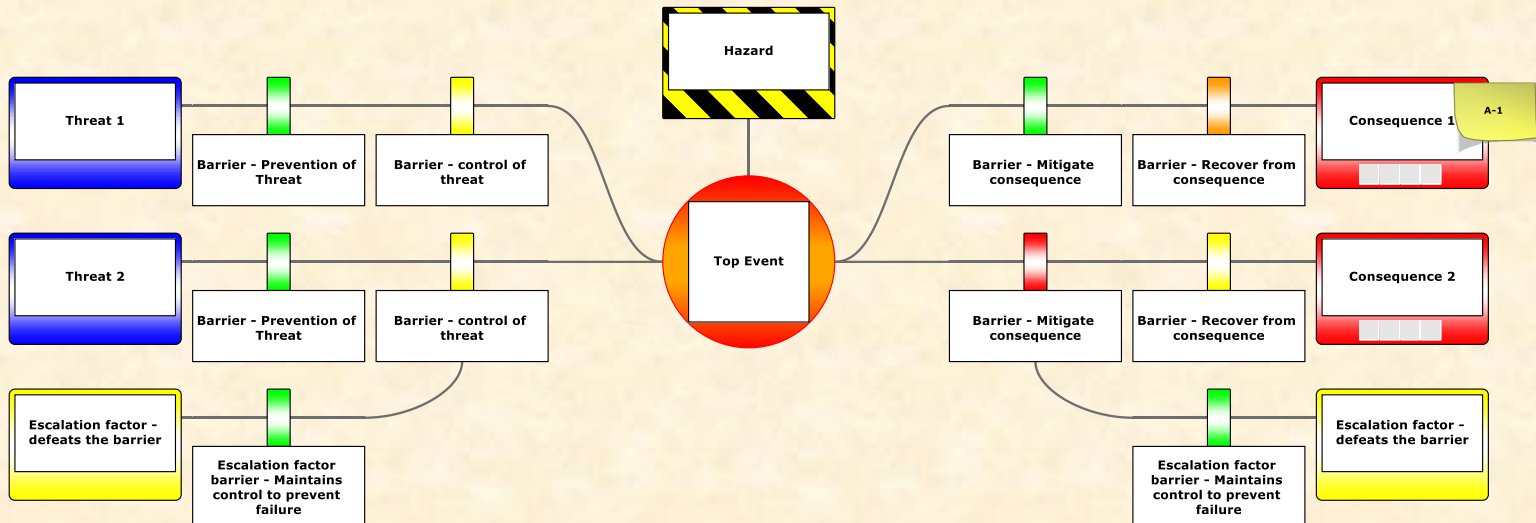


Integrated approach to Risk Management

Bowtie methodology



Public Training workshop

25th to 27th April 2024

(Two and half days)

Training Location: - Bengaluru

Course facilitators



Anantha Prasad S

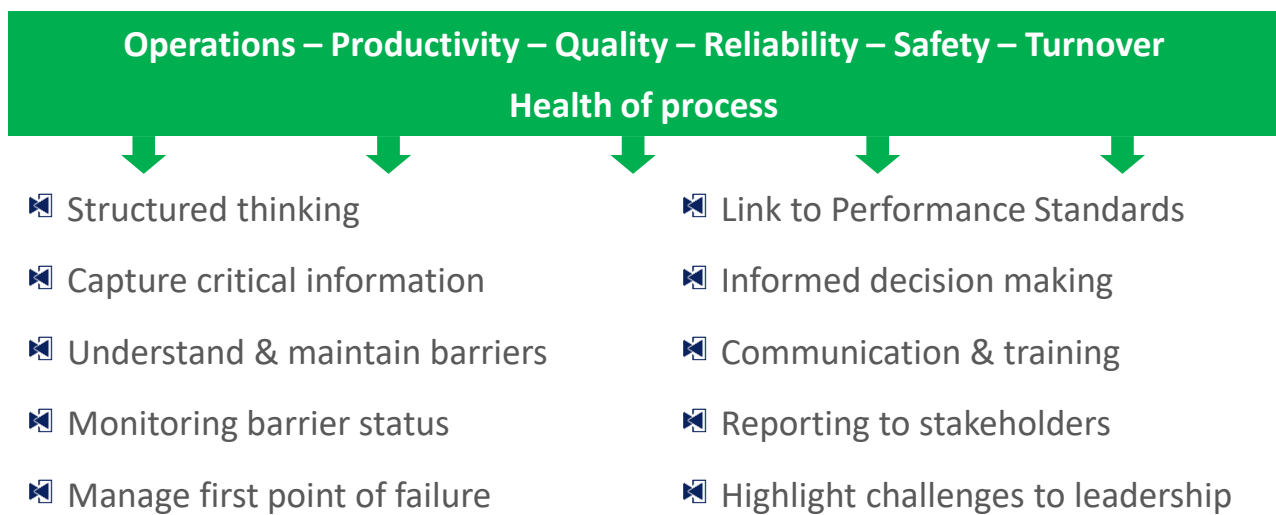
Barrier based risk management and bowties

Barrier based risk models, and in particular Bowtie diagrams, are increasingly used to assess and measure key risks that can influence your critical business processes. Process disruptions can have an effect on efficiency, safety, quality or reputation. For many years the Bowtie method and BowTieXP software tool have been used by many companies from a variety of industries in oil & gas, chemicals, mining, maritime, energy, military, government, aviation, transport, pipelines, healthcare and finance sectors.

A Bowtie diagram is not just a static picture useful to visually communicate your risks. The barrier based risk management model can be also be used for verification and for compliance. For these purposes existing data is used coming from audits, inspections and incident analysis. Furthermore data is used related to required competencies (for maintaining barriers), ongoing or planned maintenance, performance standards, external conditions – or even a DCS system. This is what we call “**advanced barrier management**”.

Benefits of attending this course

At the end of the workshop, participants will have a thorough understanding of risk perception & risk management in various spheres of industrial operations as illustrated below



Who should attend this course

- ❏ HSE and risk professionals
- ❏ Key personnel involved in developing, implementing, maintaining, using HSE Management system
- ❏ Line, Project Managers
- ❏ Key personnel involved in incident investigation
- ❏ Line managers who need more insight in business process improvements
- ❏ Senior Management team members

Sudaksha invites you to this unique training workshop

Course contents

- ✦ Introduction to ISO 31000
- ✦ Understanding barrier based Risk Management
- ✦ Understanding the bowtie methodology
- ✦ Elements of a bowtie
- ✦ Building bowties – Individual & group exercises
- ✦ Adding details to bowties – Metadata
- ✦ Identifying critical barriers
- ✦ Optimising risks to reach ALARP status
- ✦ Introduction to barrier based audits
- ✦ Data filtering in bowties
- ✦ Report generation



Participants shall be provided with fully functional BowTieXP software licences valid for 30 days from the date of the training workshop.

About the facilitators

Mr. Anantha Prasad is a qualified safety professional with over 3 decades of experience. in EHS leadership roles in global conglomerates and a certified practitioner on barrier based Risk Management using BowTieXP.



Testimonial from a participant of our training workshop



Asith Anantharama • 1st
Zonal Process Safety Expert - Aarti Industries Ltd.
7mo • 🌐

BowTie work shop -

New year has started with some new learnings.
3 days workshop on BowTie and barrier management at [Aarti Industries Ltd.](#)

A methodological brainstorming technique of BowTie was well delivered by [Anantha Prasad](#) of Sudaksha management solutions via BowTieXP tool .

Looking forward to make best use of this new tool and technique to assess the Barriers for critical processes.

Sudaksha Management Solutions LLP, 206, V S Cozy Apartments,
28th A Main, 18th Cross, 6th Phase J P Nagar, Bangalore – 560078.
For registration contact: - info@sudakshaconsulting.com

Training workshop registration form
Integrated Approach to Risk management using bowtie methodology
24th to 26th April 2024 - Bengaluru

Full Name (In capital letters)	:	
Job Title	:	
Company / Institution	:	
Phone	:	
E-mail	:	
Company / institution Address	:	
GST No.	:	

Course Fees - per participant (18% GST will apply)

Participant category	
Students	Professionals
₹ 20,000 (Rupees twenty thousand only)	₹ 28,000 (Rupees twenty-eight thousand only)

Conditions: -

- 5% Early bird discount for individual registrations made between 1st and 15th March 2024.*
- 10% discount for registration of 5 or more participants as a group. Applies for both categories.*
- Students are required to submit a signed letter by the head of institution along with a valid student ID card for registration.

*- Participants can avail only 1 discount option.

Payment Options

<input type="checkbox"/> Purchase Order P.O # _____ <input type="checkbox"/> Online Transfer <input type="checkbox"/> Cheque / DD	P.O to be made in the name of "Sudaksha Management Solutions LLP"
	Payable to Sudaksha Management Solutions LLP
	Bank Punjab National Bank
	A/c No 1062002100019363
	IFSC PUNB0159400
	GST IN 29ADCF57340C1Z5

Event Conditions

- ☒ In the event a program is cancelled by Sudaksha all participants will be notified via email and a full refund of the program fee will be made.
- ☒ Minimum attendance numbers must be met prior to any training event. Training venue will be announced 1 week before the event.
- ☒ Sudaksha reserves the right to make changes to the event at its own discretion.
- ☒ Participants will receive a certification of attendance at the end of the workshop.

Cancellations & Refunds

- ☒ All cancellation /substitutions must be advised in writing.
- ☒ If a cancellation is received more than 7 working days prior to the event start date, an administration fee of ₹ 1,500 (inclusive of tax) will be charged.
- ☒ If cancellation is made 3-7 working days from event start date, 50% fees will be refunded. For cancellations made 0-3 working days or participant fails to attend no refund will be done.

Substitutions

- ☒ Substitutions can be made and no additional fee will be charged. Please advise us the participant name change at least 7 days before start of the event.