

# BOWTIE RISK MANAGEMENT

## FOR OIL & GAS OPERATORS

June 19, 2020 | Friday | Live Webinar

### Introduction to Bowtie Risk Management

Bowtie is one of the most recent risk assessment method identified, with concepts on **barrier-based management** and has been widely used in industries. Bowtie has been mentioned as **powerful method and readily understandable visualization of the relationships between causes of business upsets**, the escalation of such events to a range of possible outcomes, the controls preventing the event from occurring and the preparedness measure in place **to limit the consequences**.



**Participate in this training session to understand a holistic risk management approach!**



Webinar Presentation



Constructive Discussions



Major Accident Case Studies



Critical Thinking Activities



A member of **RelyOnNutech**

Registration and further inquiries, please contact:

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# MANAGE YOUR RISK, RECOVER YOUR REPUTATION

## Who should attend

This course is designed for Process Engineers, Operation Engineers, Maintenance and Reliability Engineers, Safety and Risk Engineers, Maintenance and Operation Managers, and Safety Practitioner.

## Objective of the training

- a) Introduce and familiarize participants with Bowtie methodology to its eight element.
- b) Identify the benefits and differences of Bowtie Risk Analysis compared to other risk assessment tools
- c) Learn to conduct qualitative risk assessment using Bowtie methodology
- d) Hands-on experience with real case study on major accident hazards to construct the Bowtie Risk Management diagram

## Benefits of the training

- a) Able to define Risk Management and Barrier Based Management Concept
- b) Understand the Bowtie method and its element in risk assessment including hazards, events, threats and barriers
- c) Understand the type of barriers in Bowtie methods and in managing risk
- d) Apply learnings to develop Bowtie Risk Assessment objectives to meet stakeholder requirements and optimize the control of hazards and threats
- e) Understand on what is SCE, and type of SCE used as Barrier in Bowtie Risk Management
- f) Reflection on how to conduct root causes of incidents using Bowtie risk method

