



Bowtie Charts Workshop



Instructor: Manuel Dalas Falcon Professionals

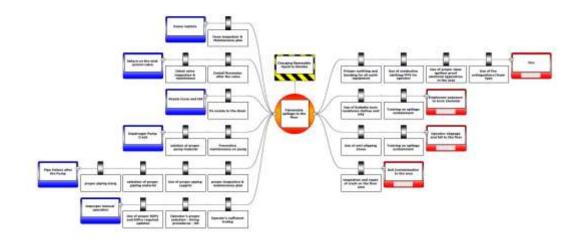


Work Shop: BowTie Charting Risk Analysis

Workshop dates: December 07-09, 2020 (3-days)

• 5 Hours/day (15:00-20:00 - GMT+4) – Zoom Meeting

Bowtie charting analysis approach is a powerful risk analysis tool that helps the operational and maintenance teams to focus on barriers (i.e., to prevent and mitigate threats and negative consequences) to maintain operational safety. It reveals an efficient management of all control measures (barriers), which is an essential aspect of risk-based process safety management.



This workshop is mostly designed for professionals in HSE and Risk Analysis departments of various industries, where risk is to be analyzed in, most professional and graphic way so the protective barriers can be implemented to eliminate or mitigate a particular industrial hazard.

Program Objectives

By the end of this workshop, among various achievements, participants will get specialist insight into:

- Understand further the philosophy of Risk Analysis.
- Get to know Bowtie Charts and their principles
- Study qualitative and quantitative analysis for Bowtie Charts.
- Practice almost exclusively bowtie analysis on real case studies
- Becoming Specialists into Bowtie charts design.

Falcon Consulting Professionals

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Who should attend?

This program provides an efficient and practical way of analyzing hazards through bowties for those who are involved in risk and safety and environmental management, mainly within the process industrial environment. This includes engineers, operators and team managers, HSE consultants, risk management practitioners.

Program Outline (3-days)

- Theory of risk. Typical risk analysis tools.
- What is Hazard in Bowtie charting.
- Bow Tie Features / How to use it effectively
- Case Studies (Hazards) from process industries
- Top Events to be examined and analyzed for the following hazardous cases.
 - Storing hazardous & flammable liquids into a tank
 - *Highly pressurized water boiler operation*
 - Multistage Compressor / Bearings Lubrication system
 - Gas Turbine/ Air Inlet filtration
 - Confined Space work during shutdown
 - Hot work (welding) during shutdown

Bowtie Analysis workshop material softcopies will be provided to the participants during the workshop

During this workshop, all cases, with their related P&IDs, will be analyzed through the use of specialized charting software.

Participants are welcomed to propose their own cases for analysis.

At the end of the workshop, participants will receive an ISO 29990/2010 accredited certificate of appearance.

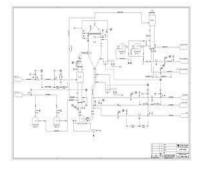
For more information, please contact +306973332716 (Whatsapp) and/or email us at: training@falcon-professionals.com

TRAINER/INSTRUCTOR:

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