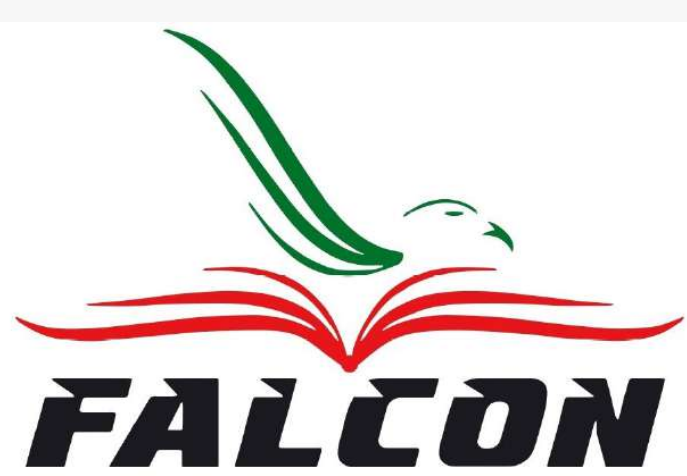




Executive Certification Program

ADVANCED FAILURE ANALYSIS & RISK-BASED METHODS (HAZOP, FMEA, RBM)

CUT DOWNTIME. BOOST RELIABILITY.
LEAD WITH CONFIDENCE.



08 -12 Dec
2025



Middle East
India
Nigeria
Africa

Come join us for an advanced training on HAZOP, FMEA, and RBM to master risk analysis, prevent failures, and strengthen process safety, asset reliability, and operational excellence.

Contact Us:



+12299994590

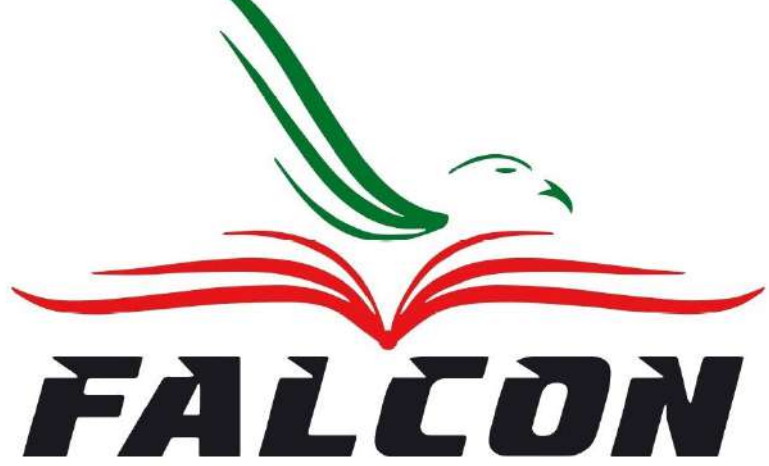


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SHERIDAN, WY 82801





Why This Program Matters?

In industries like Oil & Gas, Power, Petrochemicals, Fertilizers, and EPC, every failure carries huge risks:

- Unplanned shutdowns → Millions lost in downtime
- Asset damage → Costly repairs & replacements
- Safety incidents → Regulatory fines & reputational damage

This program provides the tools, strategies, and confidence to stay ahead of risks and protect critical assets.

Your Transformation in 5 Days

By the end of the program, you will be able to:

- Conduct advanced HAZOP studies for batch & continuous processes
- Apply FMEA & FMECA to identify critical failures and prioritize actions
- Develop & implement Risk-Based Maintenance (RBM) strategies
- Integrate methods into asset integrity management
- Lead risk workshops with authority
- Build a comprehensive reliability program that delivers measurable ROI



Who Should Attend?

- Engineers: Process Safety, Reliability, Asset Integrity, Inspection, Maintenance, Mechanical/Rotating Equipment
- Managers: Operations, Maintenance, Technical, Engineering, HSE
- Leaders: Plant Managers, Risk Managers, Project Managers, Technical Directors

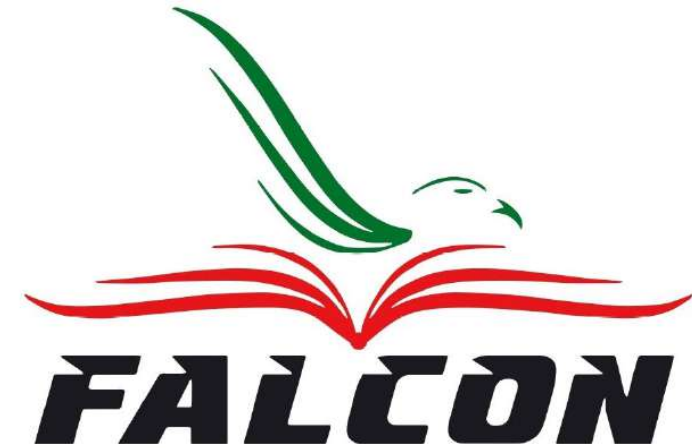
Industries Covered

Oil & Gas | Petrochemicals | Power | Fertilizers | EPC | Heavy Industries

Contact for Price (Avail Early Bird discount until 15th November '25)

Offer limited to First 10 Seats only

Program Highlights



- Real case studies from the Middle East industry
- Exclusive tools & templates for practical implementation
- Professional certification recognized across GCC industries
- Small class size (20 max) ensures personal coaching
- 30-day post-training support for workplace application
- Networking with peers & industry leaders during sessions

MEET YOUR FACULTY



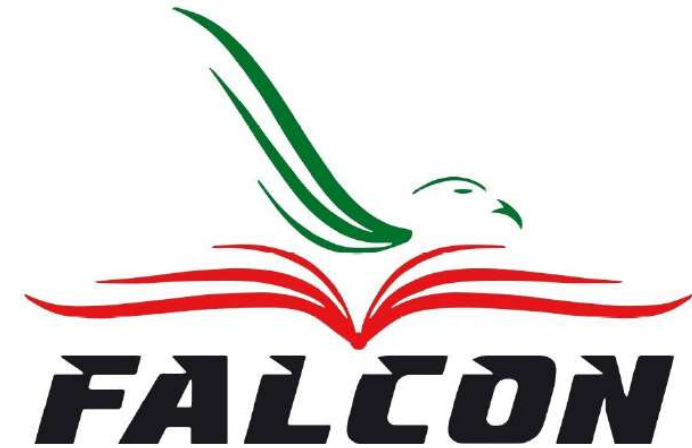
Emmanouil Amygdalas

Global Authority in Process Engineering | Author | Industrial Excellence Expert

- 24+ years in Oil & Gas, Energy, Construction, Industrial Sectors
- Certified PMP®, Mechanical Engineer, International Trainer
- Delivered 100+ executive programs worldwide
- Clients include: Saudi Aramco, ADNOC, SABIC, Qatar Petroleum
- Expertise: HAZOP, FMEA, RBM, Asset Integrity, Machinery Failure Analysis, Predictive Maintenance

 **Recognized for combining deep technical expertise with engaging instruction**

Advanced Failure Analysis & Risk-Based Methods (HAZOP, FMEA, RBM) for Process Safety & Asset Reliability Program Agenda



Day 1

Introduction to Risk Management and HAZOP Fundamentals

- Principles of process safety and reliability
- Overview of risk management methodologies
- Introduction to Hazard and Operability (HAZOP) studies
- The HAZOP team and its roles
- Systematic application of HAZOP guide words
- Practical HAZOP workshop and case study

Day 2

Advanced HAZOP and Introduction to FMEA

- HAZOP for continuous and batch processes
- Common pitfalls and challenges in HAZOP
- Documentation and reporting of HAZOP findings
- Fundamentals of Failure Mode and Effects Analysis (FMEA)
- FMEA team roles and responsibilities
- Identifying failure modes and their effects

Day 3

FMEA and FMECA Deep Dive

- Severity, occurrence, and detection ranking
- Calculating the Risk Priority Number (RPN)
- Introduction to Failure Mode, Effects, and Criticality Analysis (FMECA)
- Applying FMECA for critical asset identification
- Practical exercises on FMEA/FMECA
- Linking FMEA results to actionable plans

Day 4

Principles of Risk-Based Methods (RBM)

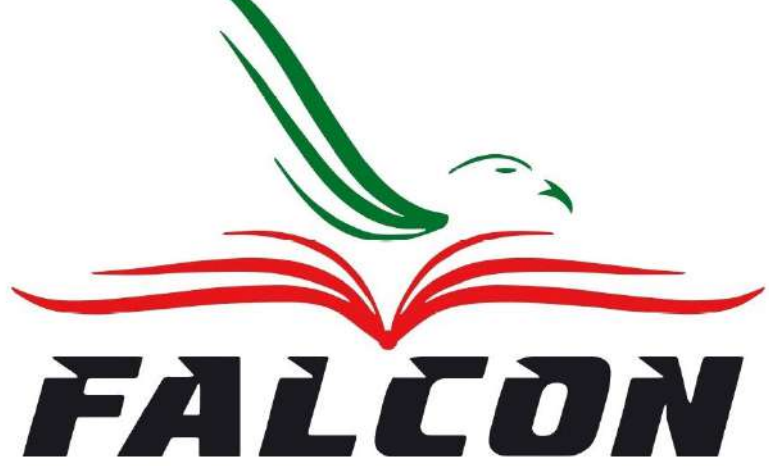
- Introduction to Risk-Based Inspection (RBI)
- Understanding the risk matrix and its components
- Quantitative vs. qualitative risk assessment
- Developing a risk-based maintenance strategy
- Case studies on RBM implementation
- Integrating RBM with asset integrity management

Day 5

Integrated Risk Management and Program Development

- Connecting HAZOP, FMEA, and RBM for a holistic approach
- Implementing a continuous risk assessment program
- Practical application to a real-world scenario
- Leading and facilitating risk assessment workshops
- Developing an integrated asset reliability plan
- Review, Q&A, and final discussion





About Falcon Consulting Professionals

Falcon Consulting Professionals is a global leader in professional training and consulting, helping industries turn operational complexity into competitive advantage.

- 20+ years of global excellence
- 98% client satisfaction
- Trusted by Saudi Aramco, ADNOC, SABIC, Qatar Petroleum, and more
- Proven ability to deliver ROI in 6–12 months

 Serving Middle East, Africa, UK, Greece & Asia and world-wide.

Program Registration

 **Dates: 08–12 December 2025**

 **Format: Online Executive Program (Zoom)**

 **Seats: 20 participants only**

\$ Price: Contact for Price (Early Bird Discount until 15th Nov '25)

How to Register?

 Reply "REGISTER" to this email

 Call: +12299994590

 Visit: <https://falconprofessionals.com/>

 **Early Bird discount for the first 10 registrants**

