

From Engineering Foundations to Risk Leadership: The Path to Becoming a HAZOP/LOPA Facilitator



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Background

- Began career focused on system design and quantitative analysis
- Strong foundation in engineering fundamentals and problem-solving.
- Gained early exposure to process safety through project work



Organizational Goals

- **Build** and **develop** process safety expertise
- **Provide** structured training and mentorship
- **Guide** engineers into process safety career paths
- **Promote** safe, reliable, and sustainable operations
- **Foster** continuous professional growth



Challenges

Technical

- Process knowledge & HAZOP/LOPA application
- Attention to detail

Cognitive

- Critical thinking
- Real-time decision making

Interpersonal

- Facilitating across all organizational levels
- Communication & engagement



Key Takeaways

- Effective hazard analysis facilitation requires both **technical expertise** and **leadership**
- Strong facilitation enhances **collaboration** and **risk identification**
- Focusing on **critical risks** is essential for safe operations